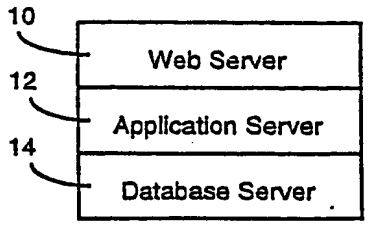


Fig. 1

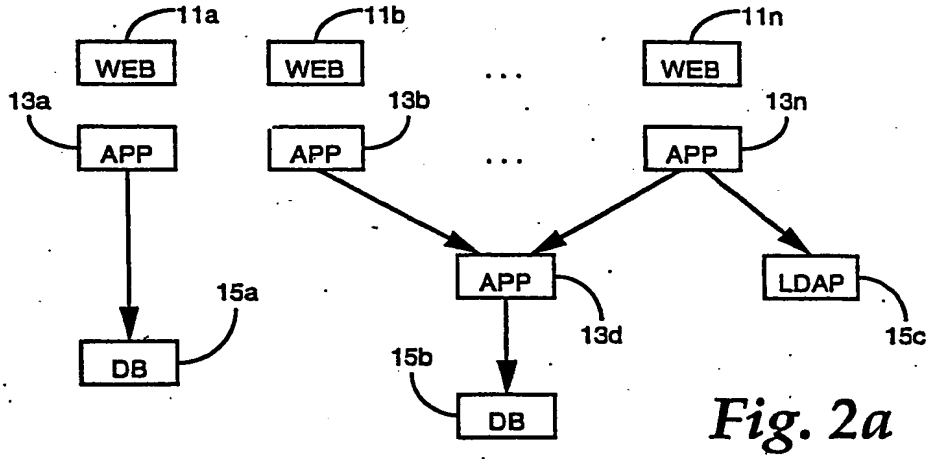


Fig. 2a

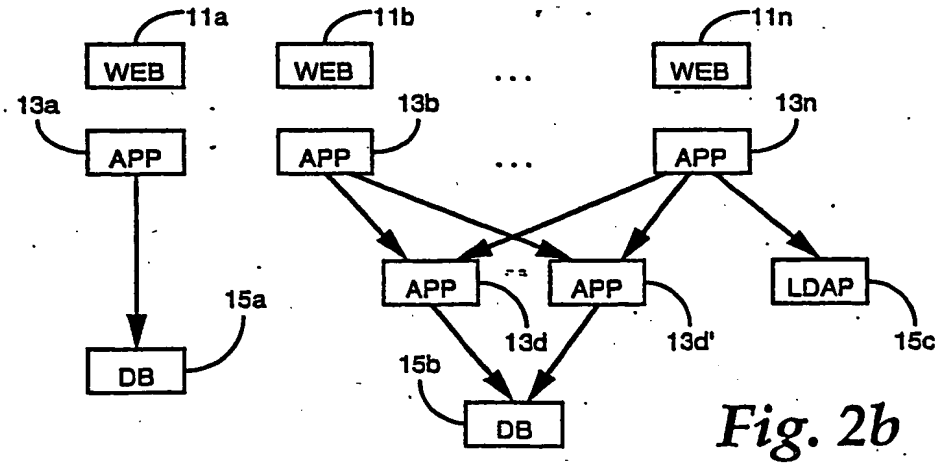


Fig. 2b

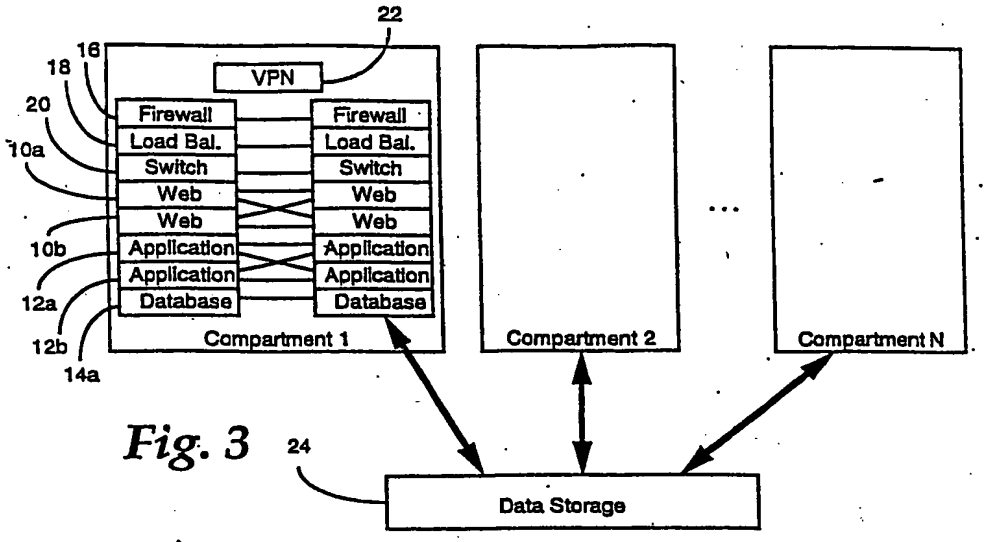

22
16
18
20
10a
10b
12a
12b
14a
VPN
Firewall
Load Bal.
Switch
Web
Web
Application
Application
Database
Firewall
Load Bal.
Switch
Web
Web
Application
Application
Database
Compartment 1
Compartment 2
Compartment N
24
Data Storage

Fig. 3

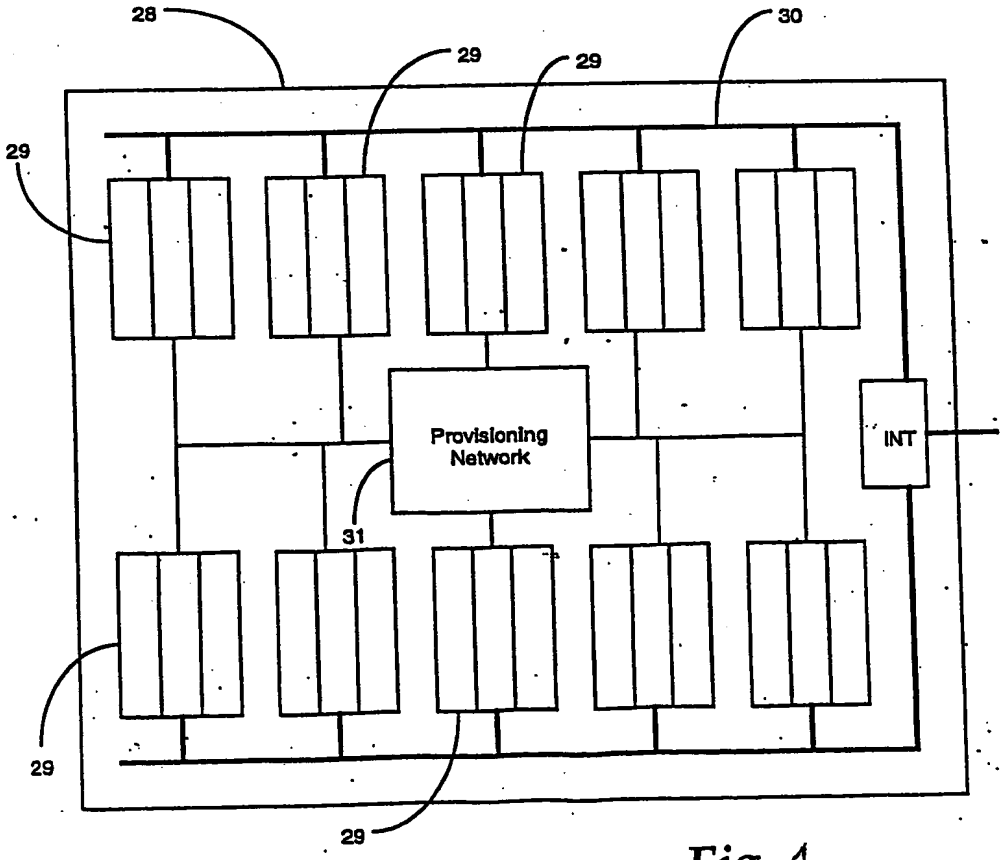

28
29
29
30
29
Provisioning Network
INT
31
29
29

Fig. 4

Doc#: 6,085,243 Date: 7/4/2000

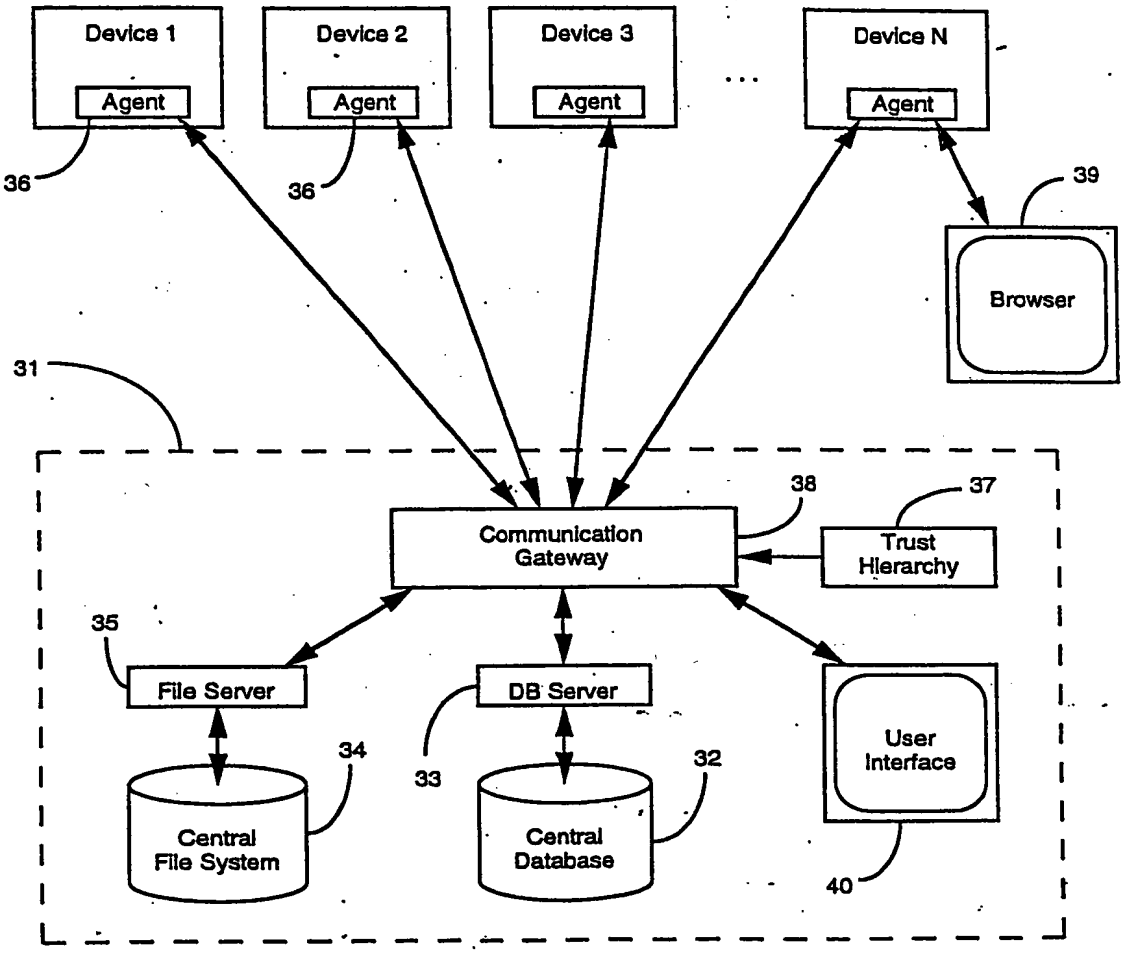


Fig. 5

60

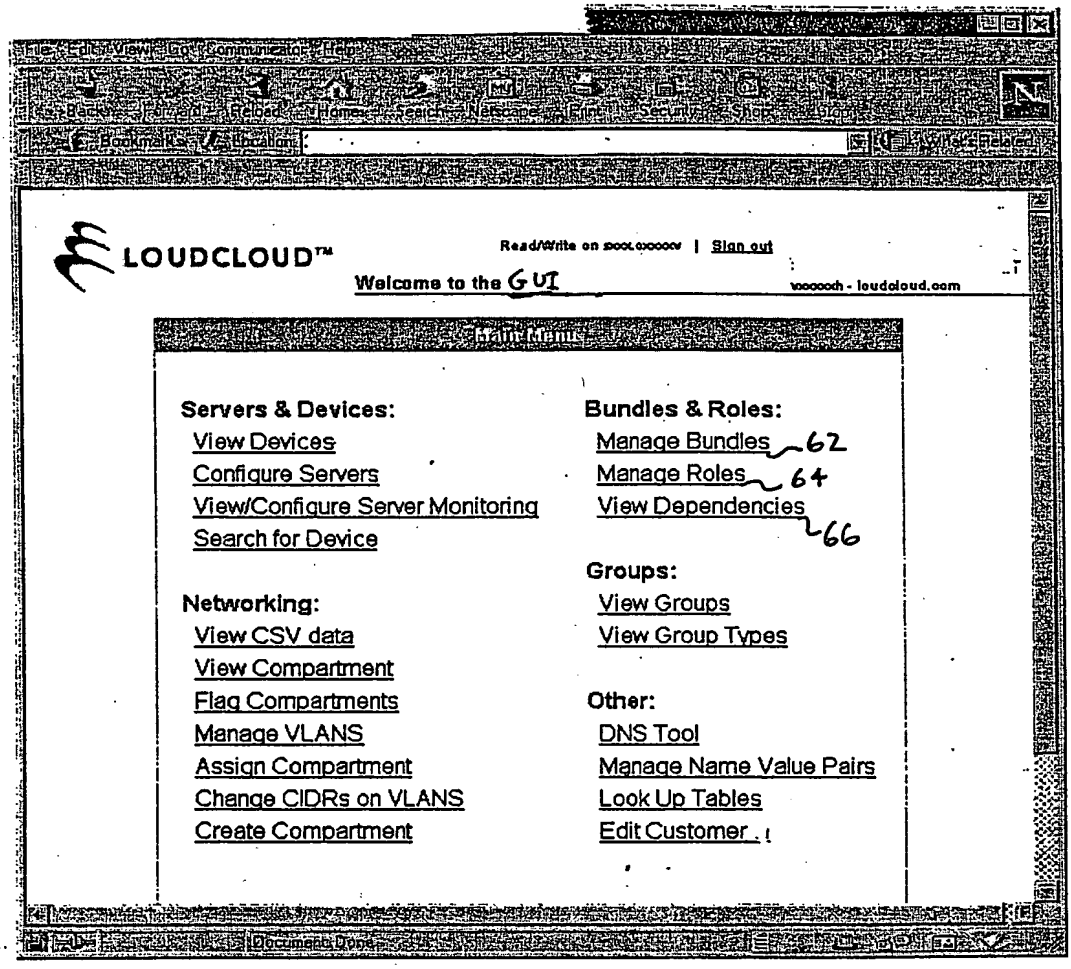


Fig. 6

6868704.042203

OS Role	Operating System, Agent
APP Role	WebServer, AppInServer
Content Role	HTML, JSP, GIF, JPEG

Fig. 7

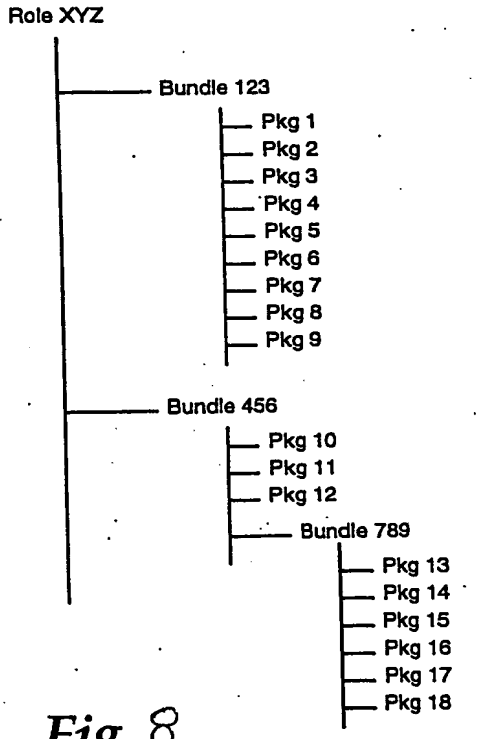


Fig. 8

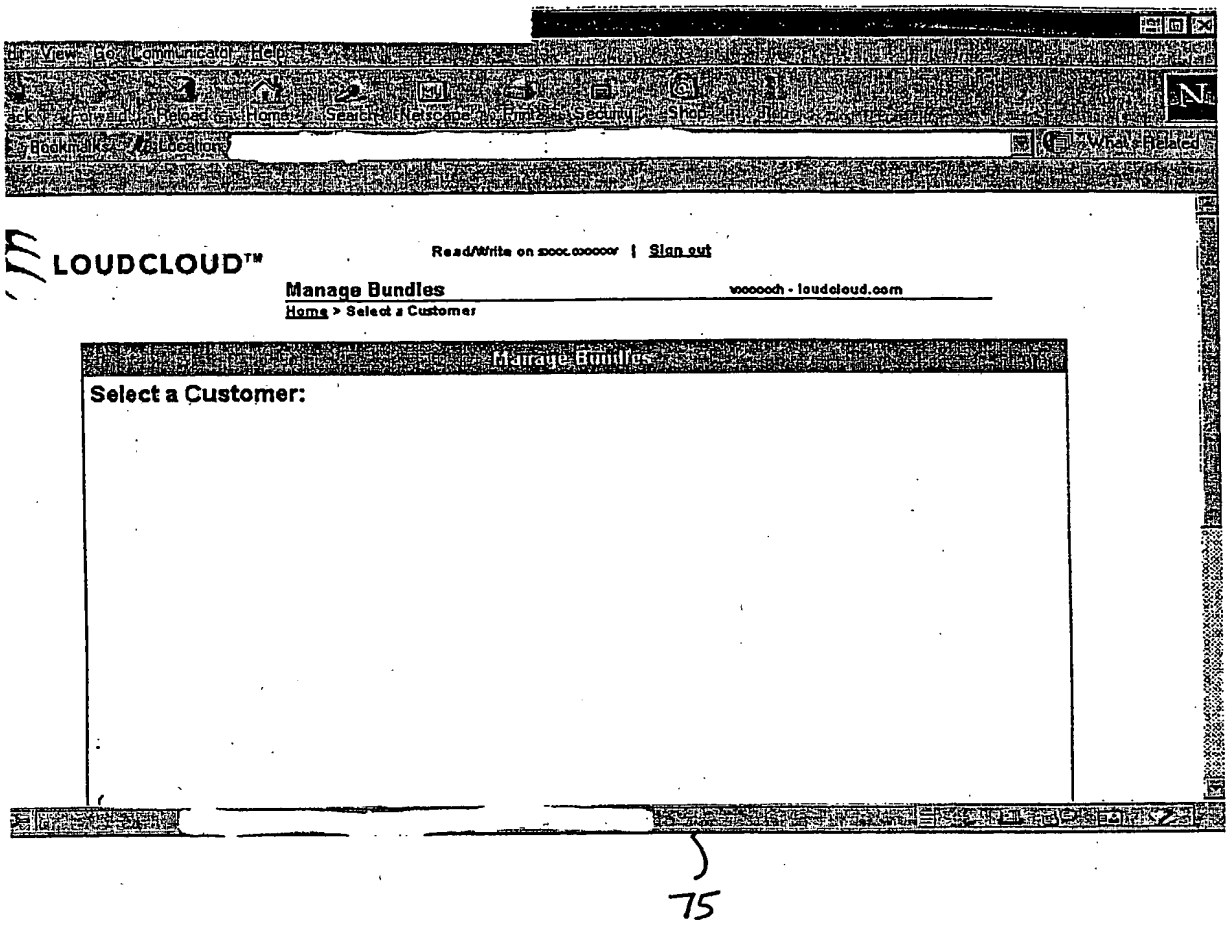
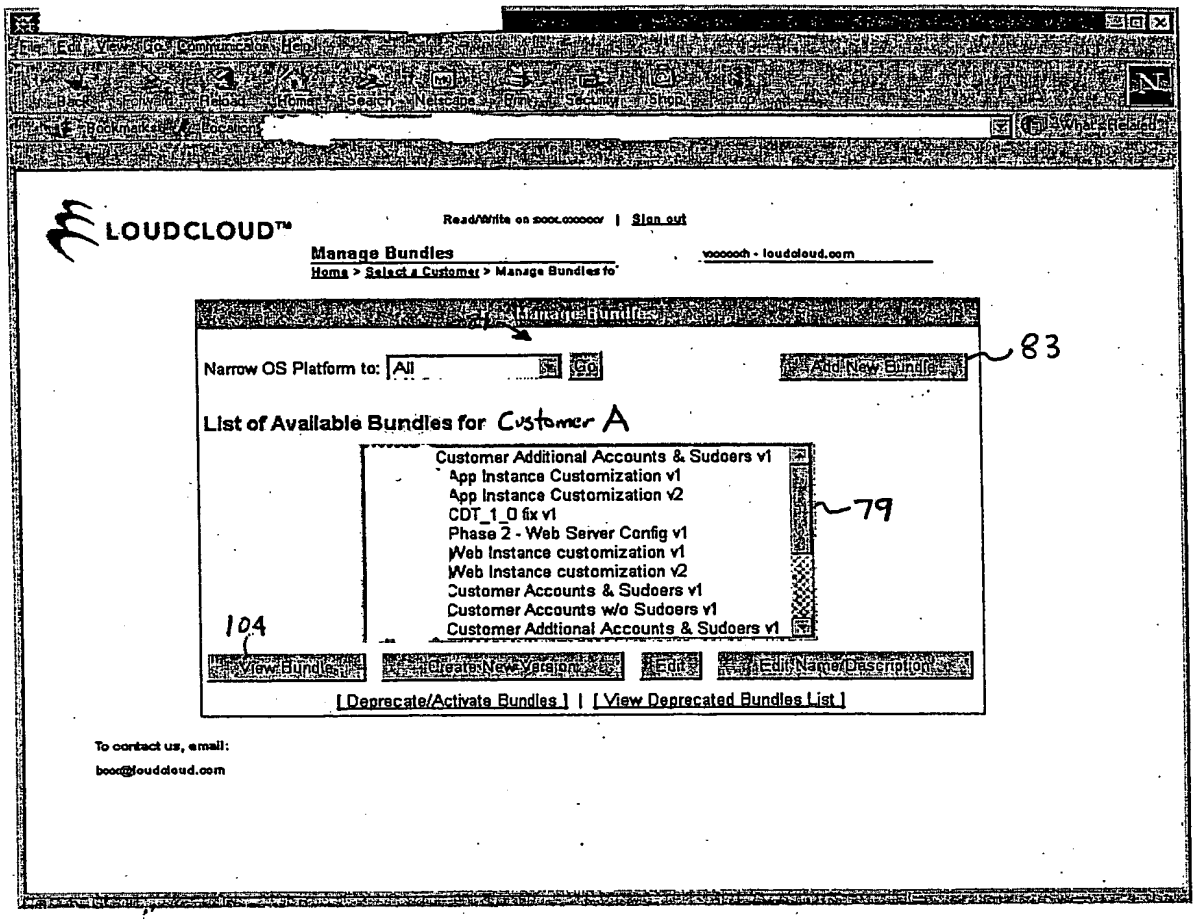

View Go Communicator Help
Home Search Netscape Print Security Shop
What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxx | Sign out
Manage Bundles
xxxxxxh - loudcloud.com
Home > Select a Customer
Manage Bundles
Select a Customer:
75

Fig. 9A


LOUDCLOUD™
Read/Write on xxxx.cccccc | Sign out
Manage Bundles
Home > Select a Customer > Manage Bundles fo
Manage Bundles
Narrow OS Platform to: All
Go
Add New Bundle
83
List of Available Bundles for Customer A
Customer Additional Accounts & Sudoers v1
App Instance Customization v1
App Instance Customization v2
CDT_1_0 fix v1
Phase 2 - Web Server Config v1
Web Instance customization v1
Web Instance customization v2
Customer Accounts & Sudoers v1
Customer Accounts w/o Sudoers v1
Customer Addtional Accounts & Sudoers v1
79
104
View Bundle
Create New Version
Edit
Edit Name/Description
[Deprecate/Activate Bundles] | [View Deprecated Bundles List]
To contact us, email:
boxx@loudcloud.com

77

Fig. 9B

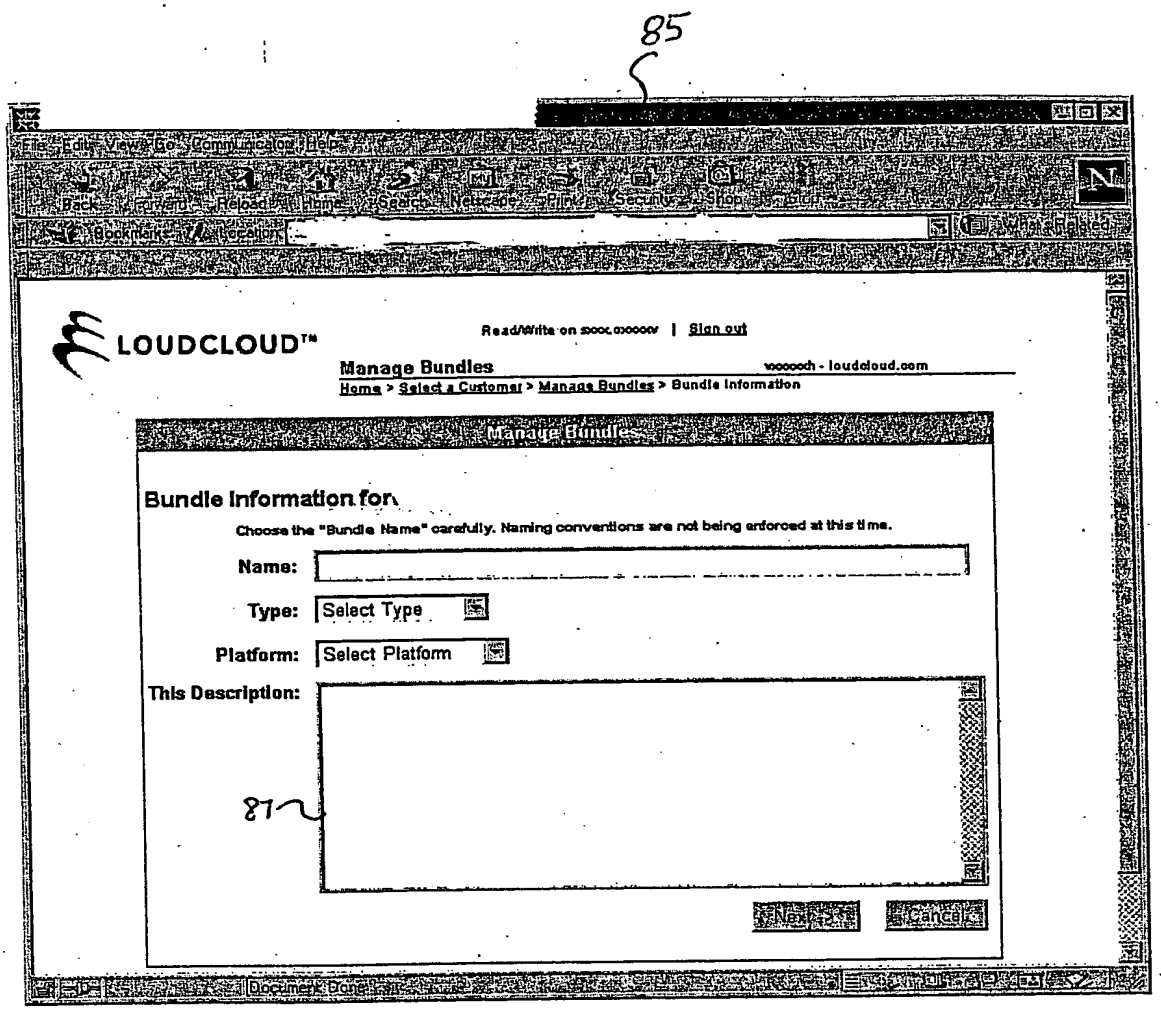

85
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location
What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Manage Bundles
xxxxxch - loudcloud.com
Home > Select a Customer > Manage Bundles > Bundle Information
Manage Bundles
Bundle Information for
Choose the "Bundle Name" carefully. Naming conventions are not being enforced at this time.
Name:
Type:
Select Type
Platform:
Select Platform
This Description:
87
Next
Cancel
Document: Done

Fig. 9C

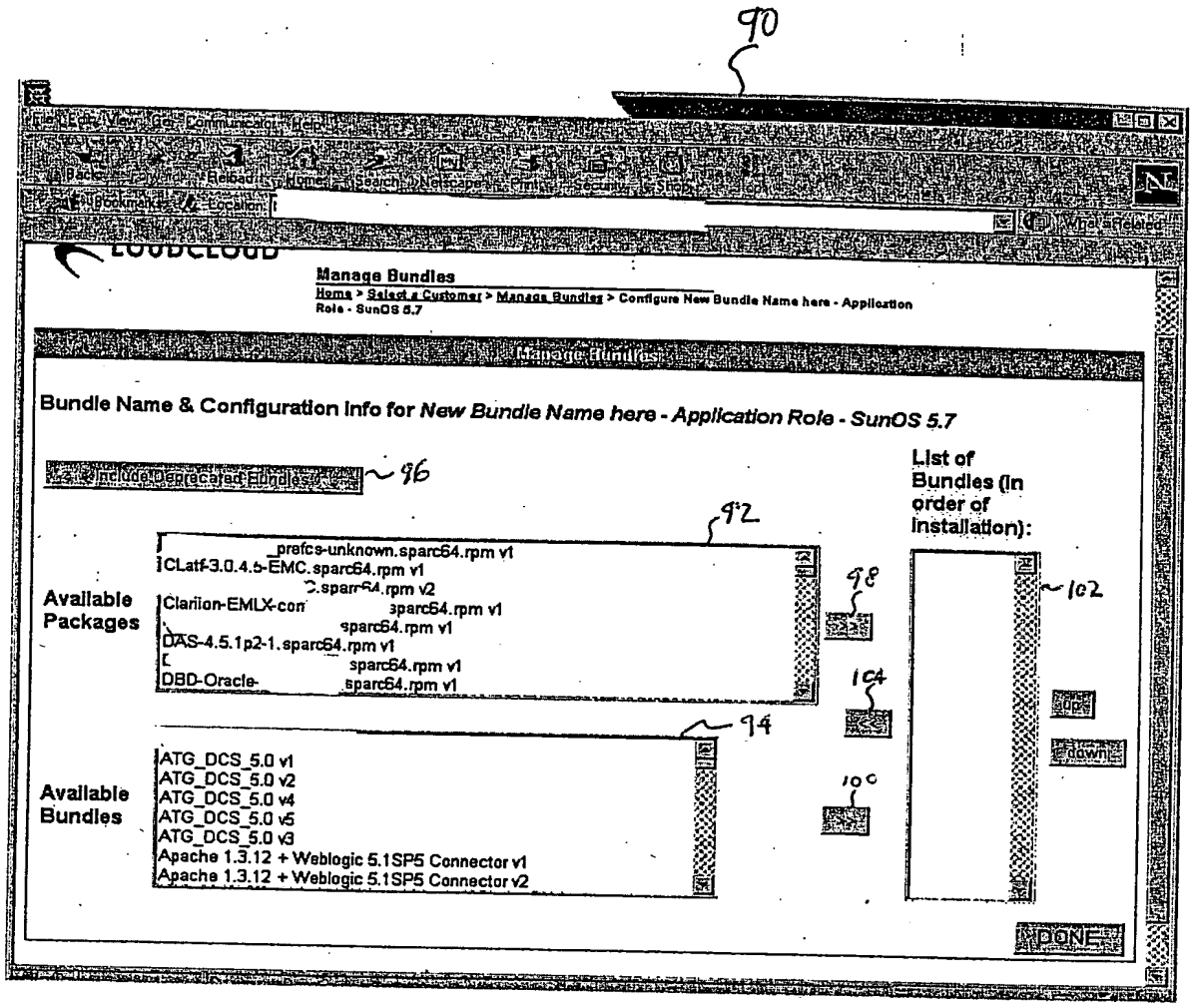

90
Manage Bundles
Home > Select a Customer > Manage Bundles > Configure New Bundle Name here - Application Role - SunOS 5.7
Bundle Name & Configuration Info for New Bundle Name here - Application Role - SunOS 5.7
Include Deprecated Bundle
96
92
Available Packages
_prefcs-unknown.sparc64.rpm v1
CLatf-3.0.4.5-EMC.sparc64.rpm v1
Clariion-EMLX-con sparc64.rpm v1
sparc64.rpm v1
DAS-4.5.1p2-1.sparc64.rpm v1
sparc64.rpm v1
DBD-Oracle- sparc64.rpm v1
98
104
94
Available Bundles
ATG_DCS_5.0 v1
ATG_DCS_5.0 v2
ATG_DCS_5.0 v4
ATG_DCS_5.0 v5
ATG_DCS_5.0 v3
Apache 1.3.12 + Weblogic 5.1SP5 Connector v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector v2
100
List of Bundles (in order of installation):
102
up
down
DONE

Fig. 9D

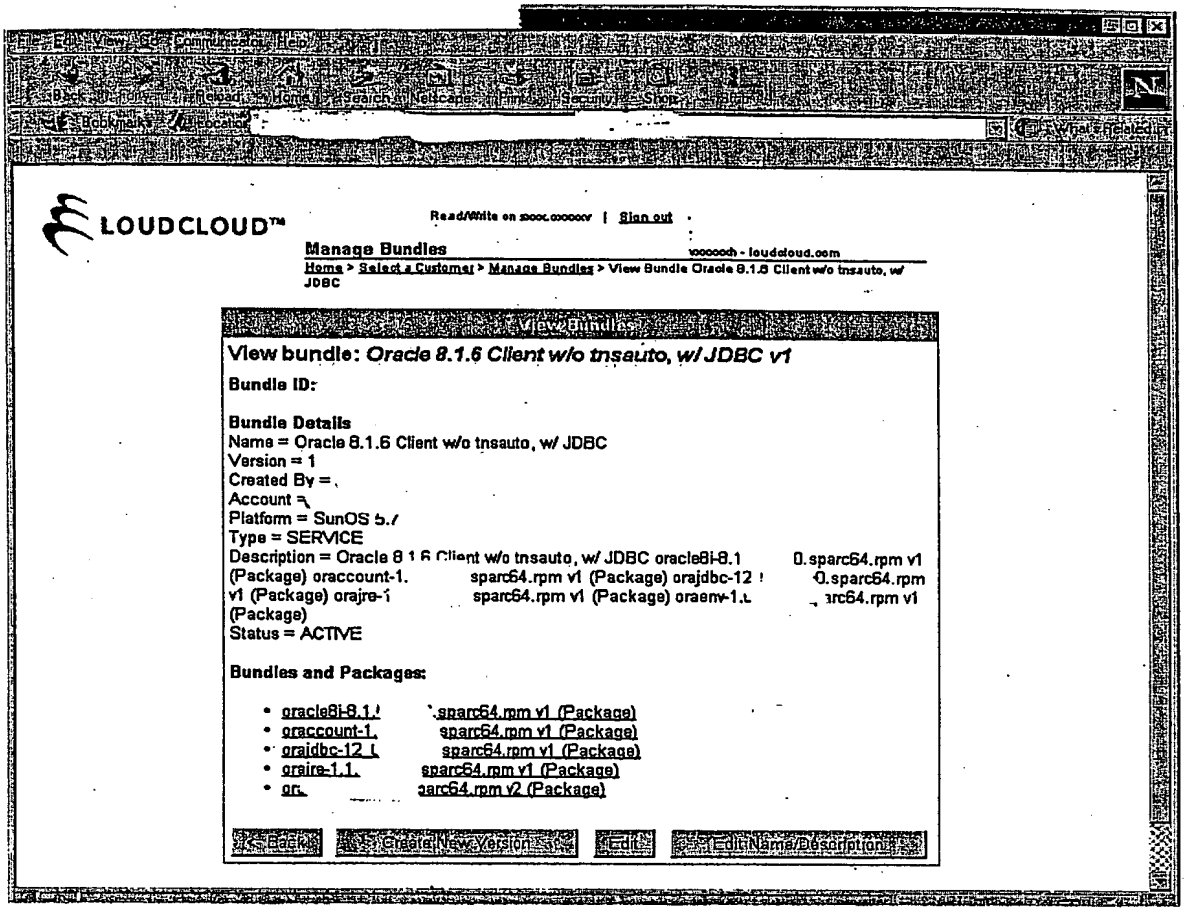

LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Manage Bundles
xxxxxxh - loudcloud.com
Home > Select a Customer > Manage Bundles > View Bundle Oracle 8.1.6 Client w/o tnsauto, w/ JDBC
View Bundles
View bundle: Oracle 8.1.6 Client w/o tnsauto, w/ JDBC v1
Bundle ID:
Bundle Details
Name = Oracle 8.1.6 Client w/o tnsauto, w/ JDBC
Version = 1
Created By =
Account =
Platform = SunOS 5.7
Type = SERVICE
Description = Oracle 8.1.6 Client w/o tnsauto, w/ JDBC oracle8i-8.1 0.sparc64.rpm v1 (Package) oraccount-1. sparc64.rpm v1 (Package) orajdbc-12 ! 0.sparc64.rpm v1 (Package) orajre-1 sparc64.rpm v1 (Package) oraenv-1.t arc64.rpm v1 (Package)
Status = ACTIVE
Bundles and Packages:
oracle8i-8.1.! sparc64.rpm v1 (Package)
oraccount-1. sparc64.rpm v1 (Package)
orajdbc-12 t sparc64.rpm v1 (Package)
orajre-1.1. sparc64.rpm v1 (Package)
or. sparc64.rpm v2 (Package)
Back
Create New Version
Edit
Edit Name/Description

Fig. 9E

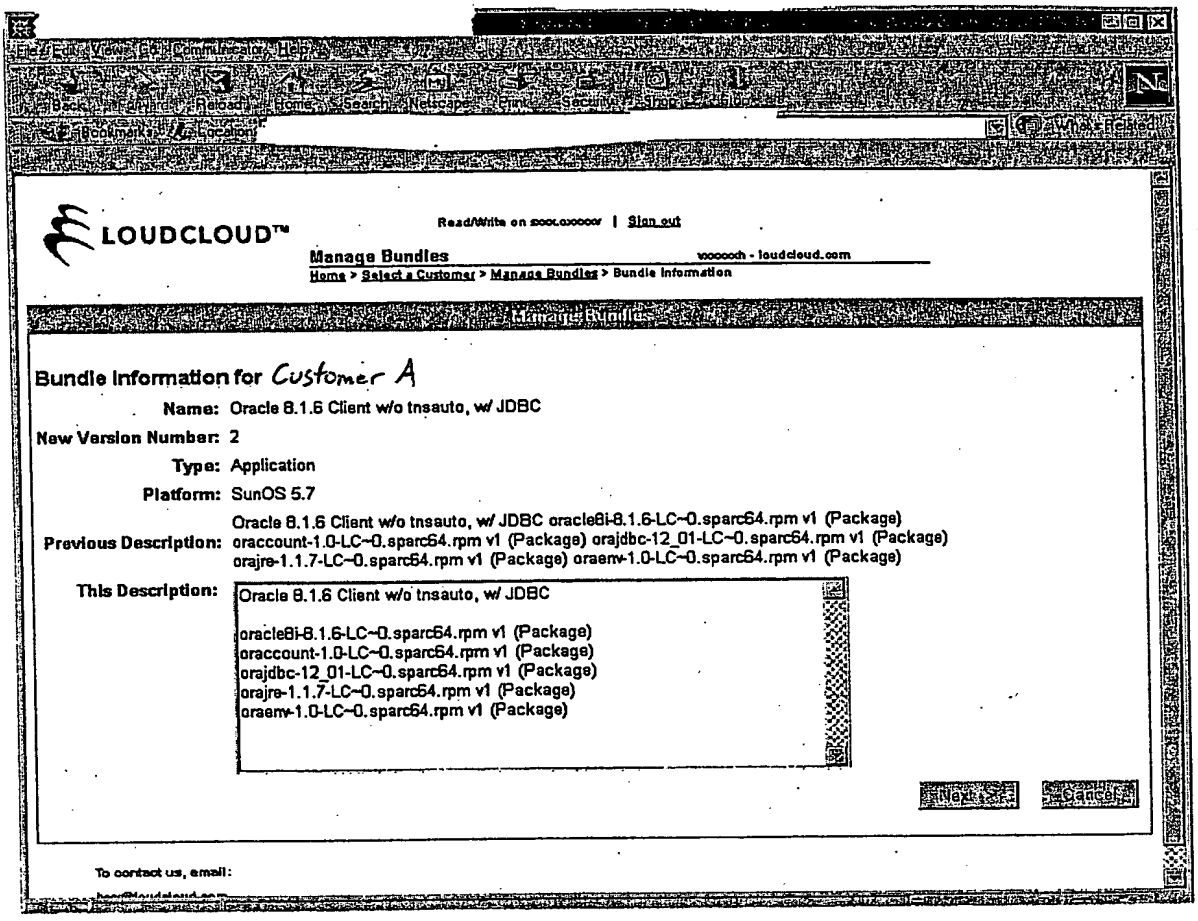

LOUDCLOUD™
Read/Write on xxxx.xxxxxx | Sign out
Manage Bundles
xxxxxxh - loudcloud.com
Home > Select a Customer > Manage Bundles > Bundle Information
Manage Bundles
Bundle Information for Customer A
Name: Oracle 8.1.6 Client w/o tnsauto, w/ JDBC
New Version Number: 2
Type: Application
Platform: SunOS 5.7
Previous Description: Oracle 8.1.6 Client w/o tnsauto, w/ JDBC oracle8i-8.1.6-LC-0.sparc64.rpm v1 (Package) oraccount-1.0-LC-0.sparc64.rpm v1 (Package) orajdbc-12_01-LC-0.sparc64.rpm v1 (Package) orajre-1.1.7-LC-0.sparc64.rpm v1 (Package) oraenv-1.0-LC-0.sparc64.rpm v1 (Package)
This Description:
Oracle 8.1.6 Client w/o tnsauto, w/ JDBC
oracle8i-8.1.6-LC-0.sparc64.rpm v1 (Package)
oraccount-1.0-LC-0.sparc64.rpm v1 (Package)
orajdbc-12_01-LC-0.sparc64.rpm v1 (Package)
orajre-1.1.7-LC-0.sparc64.rpm v1 (Package)
oraenv-1.0-LC-0.sparc64.rpm v1 (Package)
Next
Cancel
To contact us, email:

Fig. 9F

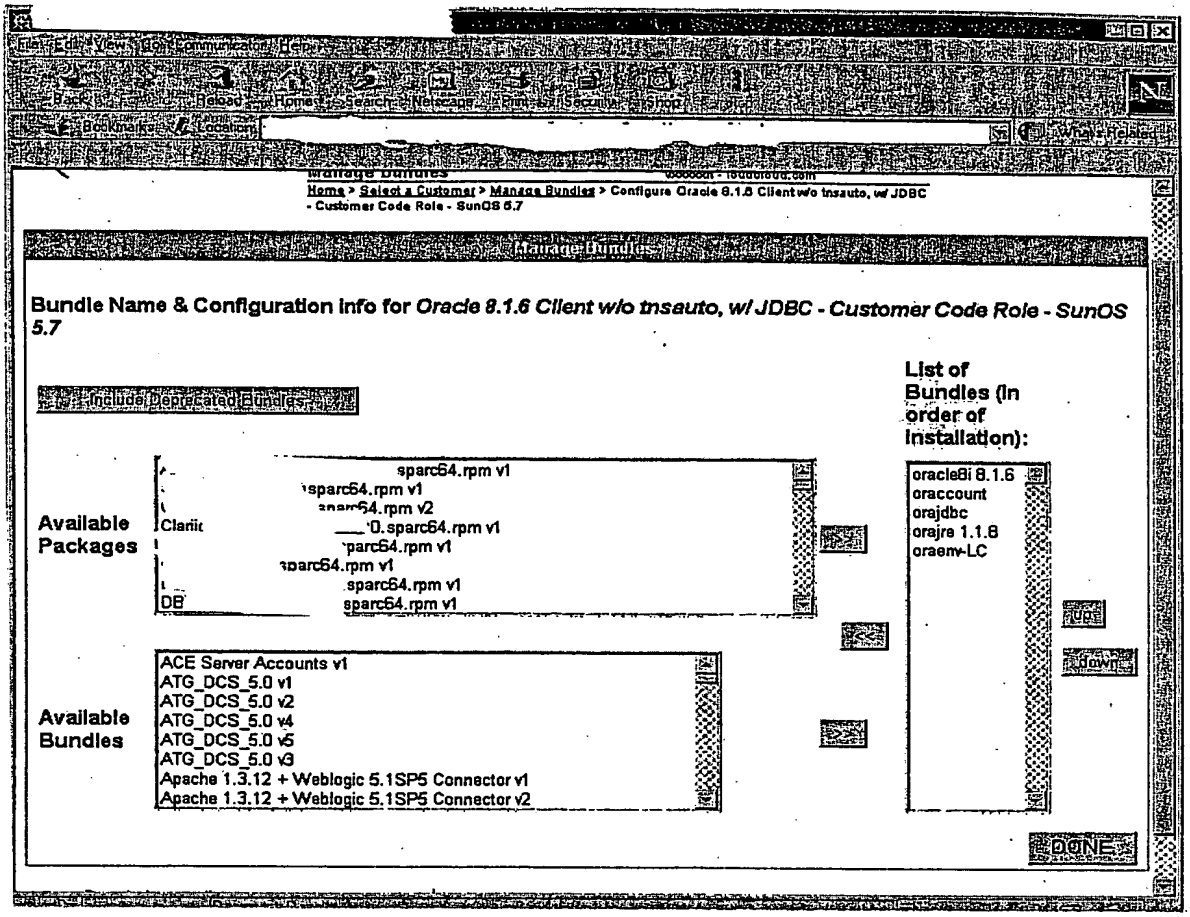

Home > Select a Customer > Manage Bundles > Configure Oracle 8.1.6 Client w/o tnsauto, w/ JDBC - Customer Code Role - SunOS 5.7
Bundle Name & Configuration info for Oracle 8.1.6 Client w/o tnsauto, w/ JDBC - Customer Code Role - SunOS 5.7
Include Deprecated Bundles
Available Packages
sparc64.rpm v1
sparc64.rpm v1
sparc64.rpm v2
sparc64.rpm v1
sparc64.rpm v1
sparc64.rpm v1
sparc64.rpm v1
Available Bundles
ACE Server Accounts v1
ATG_DCS_5.0 v1
ATG_DCS_5.0 v2
ATG_DCS_5.0 v4
ATG_DCS_5.0 v5
ATG_DCS_5.0 v3
Apache 1.3.12 + Weblogic 5.1SP5 Connector v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector v2
List of Bundles (in order of installation):
oracle8i 8.1.6
oraccount
orajdbc
orajre 1.1.8
oraenv-LC
Up
Down
DONE

Fig. 9G

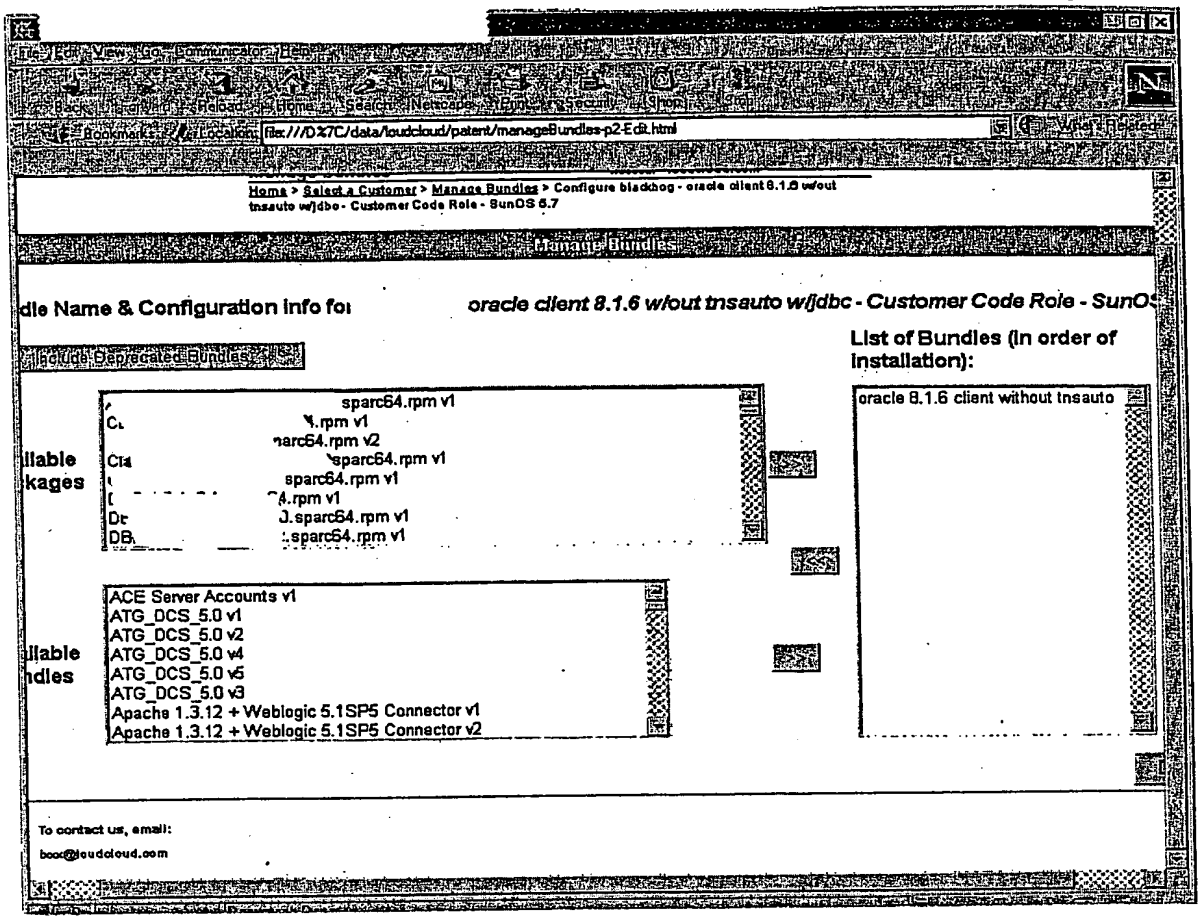

Home > Select a Customer > Manage Bundles > Configure blackhog - oracle client 8.1.6 w/out tnsauto w/jdbc - Customer Code Role - SunOS 5.7
Manage Bundles
dle Name & Configuration info for
oracle client 8.1.6 w/out tnsauto w/jdbc - Customer Code Role - SunO
Include Deprecated Bundles
List of Bundles (in order of installation):
oracle 8.1.6 client without tnsauto
sparc64.rpm v1
sparc64.rpm v1
sparc64.rpm v1
sparc64.rpm v1
ACE Server Accounts v1
ATG_DCS_5.0 v1
ATG_DCS_5.0 v2
ATG_DCS_5.0 v4
ATG_DCS_5.0 v5
ATG_DCS_5.0 v3
Apache 1.3.12 + Weblogic 5.1SP5 Connector v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector v2
To contact us, email:

Fig. 9H

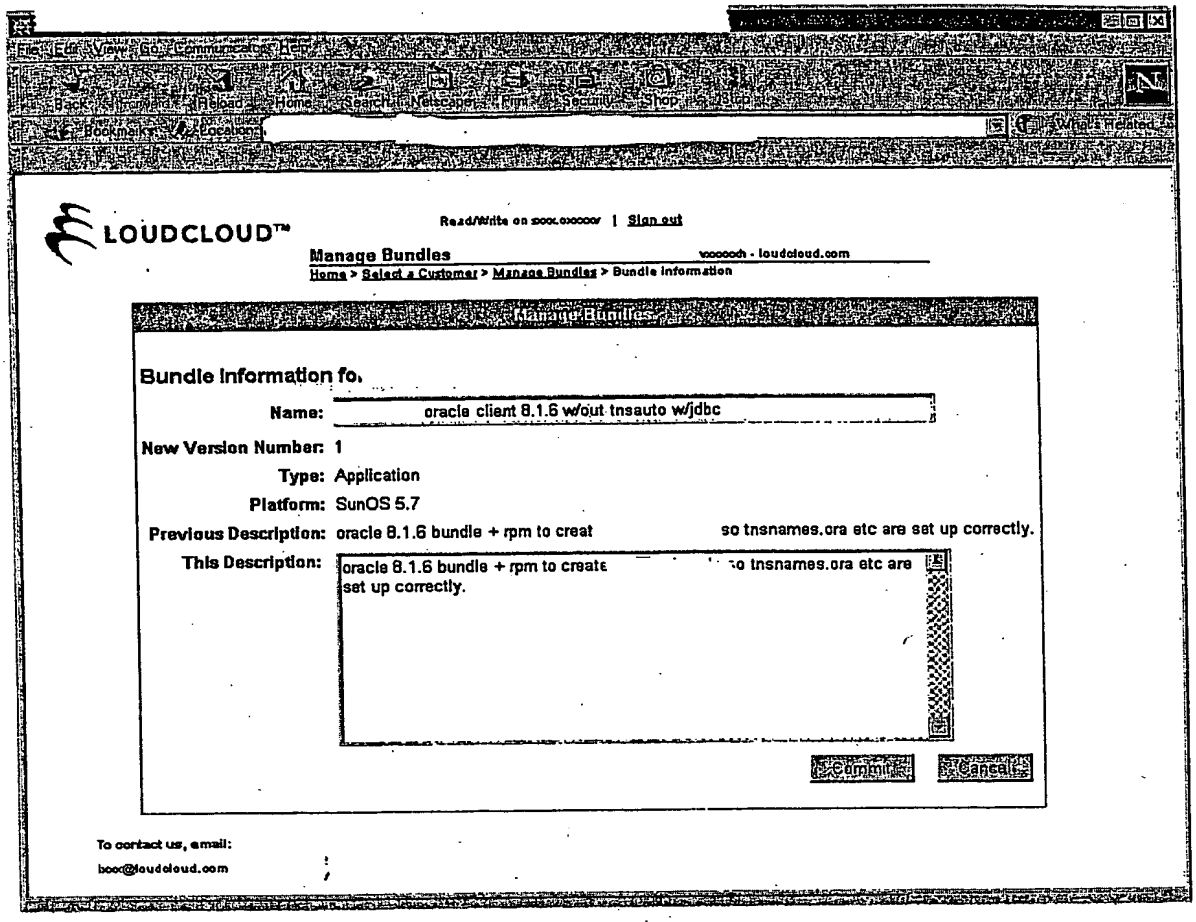

LOUDCLOUD™
Read/Write on xxxx.xxxxxx | Sign out
Manage Bundles
xxxxxch - loudcloud.com
Home > Select a Customer > Manage Bundles > Bundle Information
Manage Bundles
Bundle Information fo
Name: oracle client 8.1.6 w/out tnsauto w/jdbc
New Version Number: 1
Type: Application
Platform: SunOS 5.7
Previous Description: oracle 8.1.6 bundle + rpm to creat so tnsnames.ora etc are set up correctly.
This Description: oracle 8.1.6 bundle + rpm to create so tnsnames.ora etc are set up correctly.
Commit
Cancel
To contact us, email:
bcoc@loudcloud.com

Fig. 9I

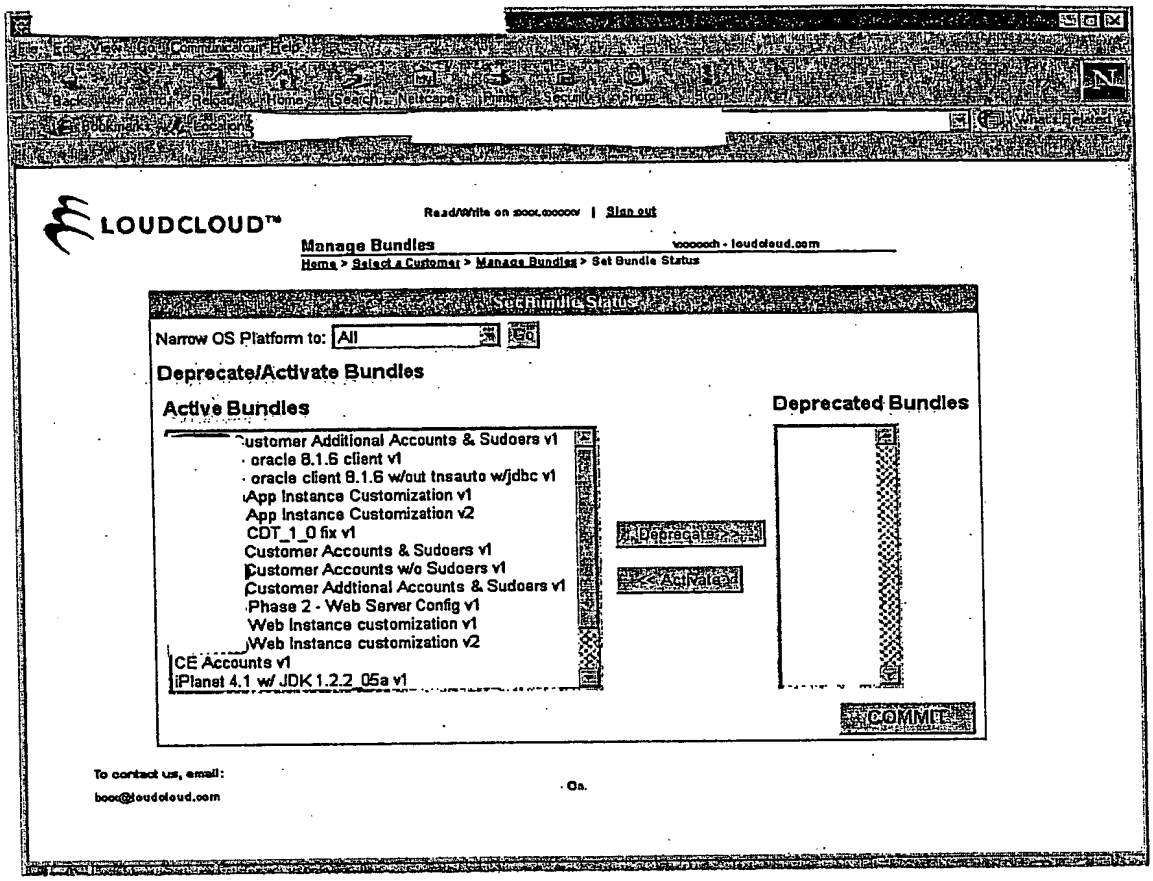

LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Manage Bundles
Home > Select a Customer > Manage Bundles > Set Bundle Status
Set Bundle Status
Narrow OS Platform to: All
Go
Deprecate/Activate Bundles
Active Bundles
Deprecated Bundles
ustomer Additional Accounts & Sudoers v1
oracle 8.1.6 client v1
oracle client 8.1.6 w/out tnsauto w/jdbc v1
App Instance Customization v1
App Instance Customization v2
CDT_1_0 fix v1
Customer Accounts & Sudoers v1
Customer Accounts w/o Sudoers v1
Customer Addtional Accounts & Sudoers v1
Phase 2 - Web Server Config v1
Web Instance customization v1
Web Instance customization v2
CE Accounts v1
iPlanet 4.1 w/ JDK 1.2.2_05a v1
Deprecate >>
<< Activate
COMMIT
To contact us, email:
booc@loudcloud.com

Fig. 9J

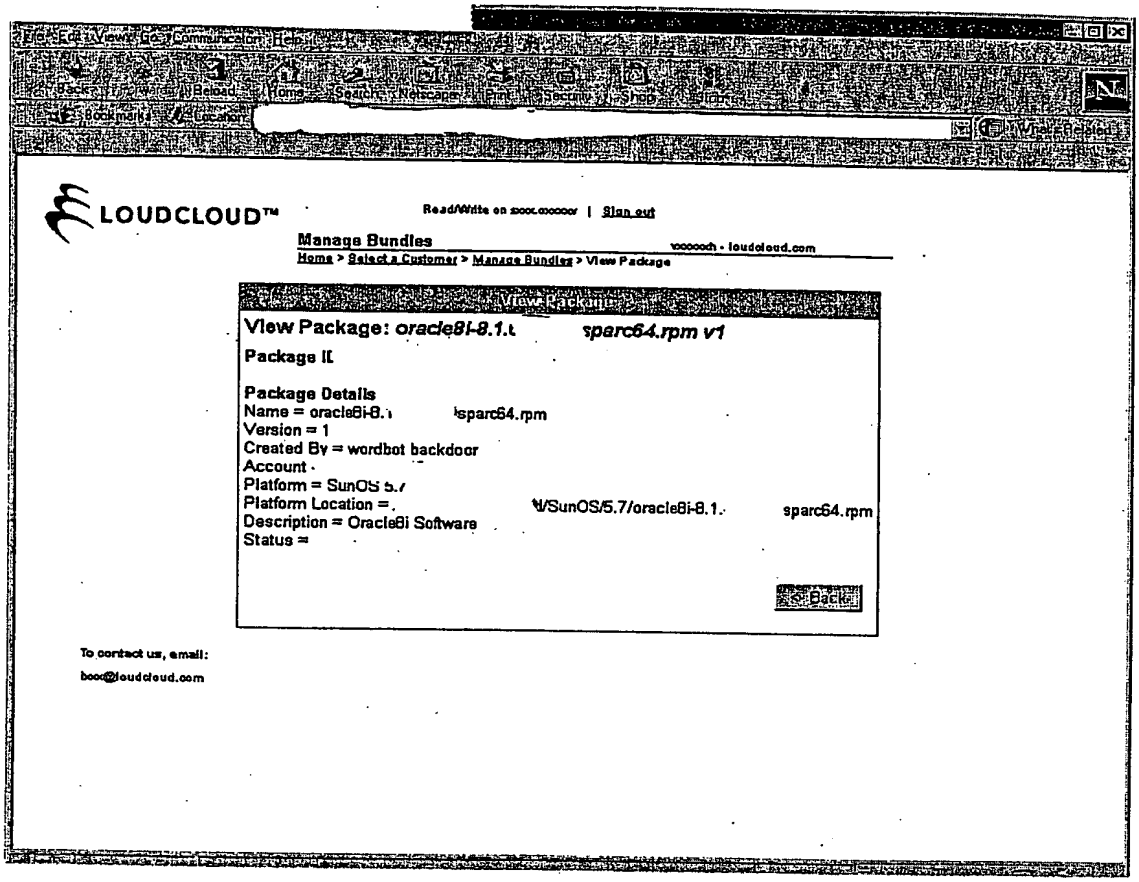


Fig. 9K

0543708 = 04/20/02

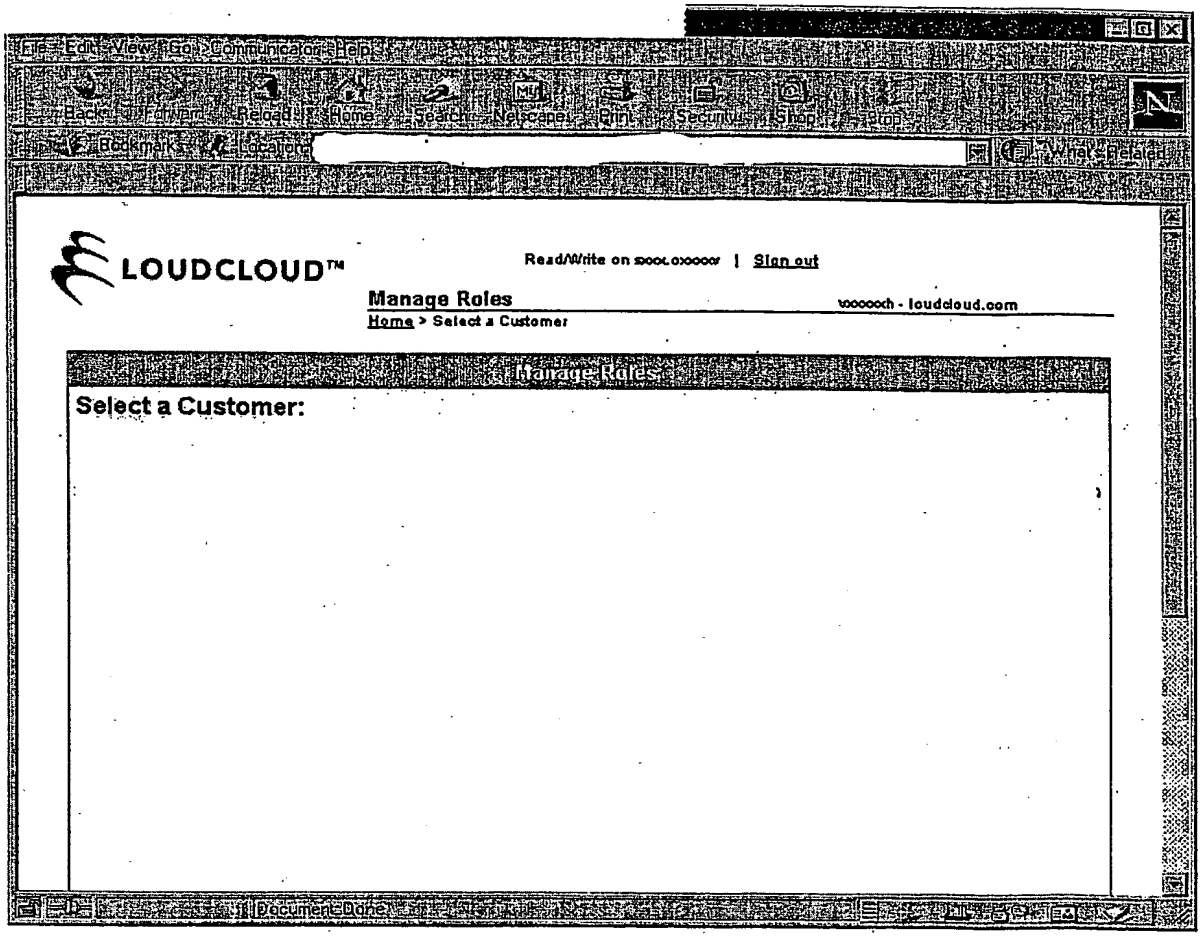

File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location:
What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxx | Sign out
Manage Roles
xxxxxxh - loudcloud.com
Home > Select a Customer
Manage Roles
Select a Customer:
Document Done

Fig. 10A

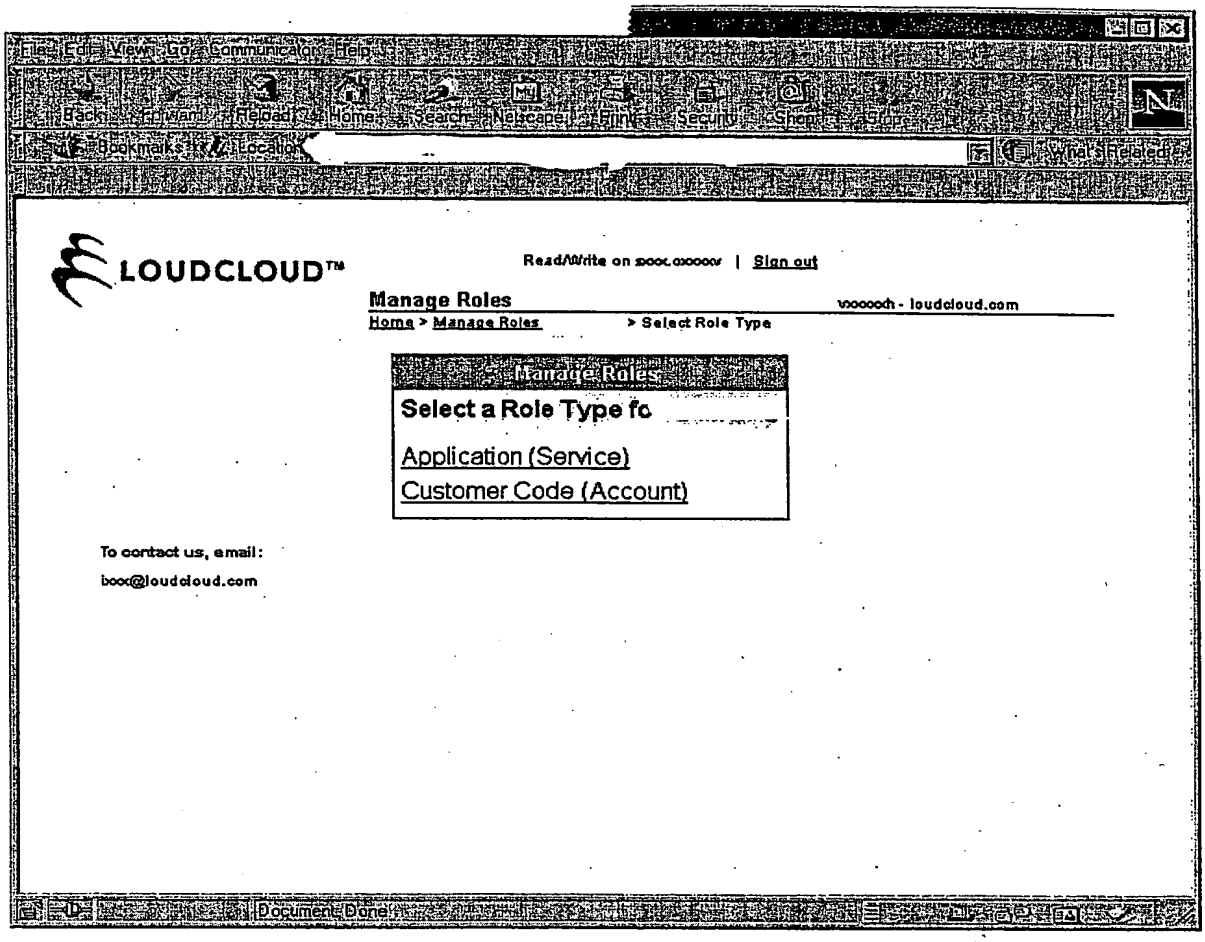


Fig. 10B

20020402-0450

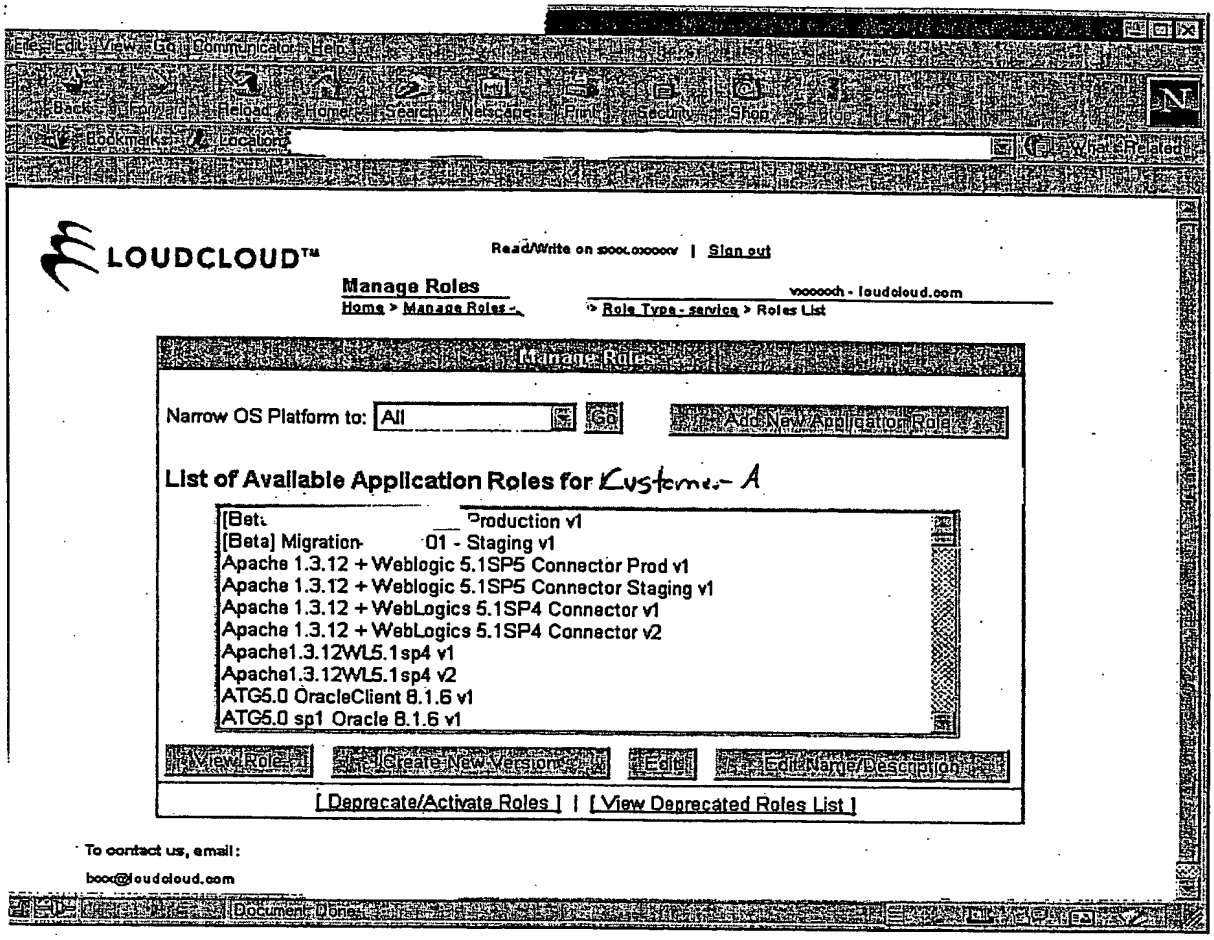

File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop
Bookmarks Location
What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Manage Roles
Home > Manage Roles -
xxxxxch - loudcloud.com
Role Type - service > Roles List
Manage Roles
Narrow OS Platform to: All
Go
Add New Application Role
List of Available Application Roles for Customer-A
[Beta] Production v1
[Beta] Migration 01 - Staging v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector Prod v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector Staging v1
Apache 1.3.12 + WebLogics 5.1SP4 Connector v1
Apache 1.3.12 + WebLogics 5.1SP4 Connector v2
Apache1.3.12WL5.1sp4 v1
Apache1.3.12WL5.1sp4 v2
ATG5.0 OracleClient 8.1.6 v1
ATG5.0 sp1 Oracle 8.1.6 v1
View Role...
Create New Version...
Edit
Edit Name/Description
[Deprecate/Activate Roles] | [View Deprecated Roles List]
To contact us, email:
xxxx@loudcloud.com
Document Done

Fig. 10C

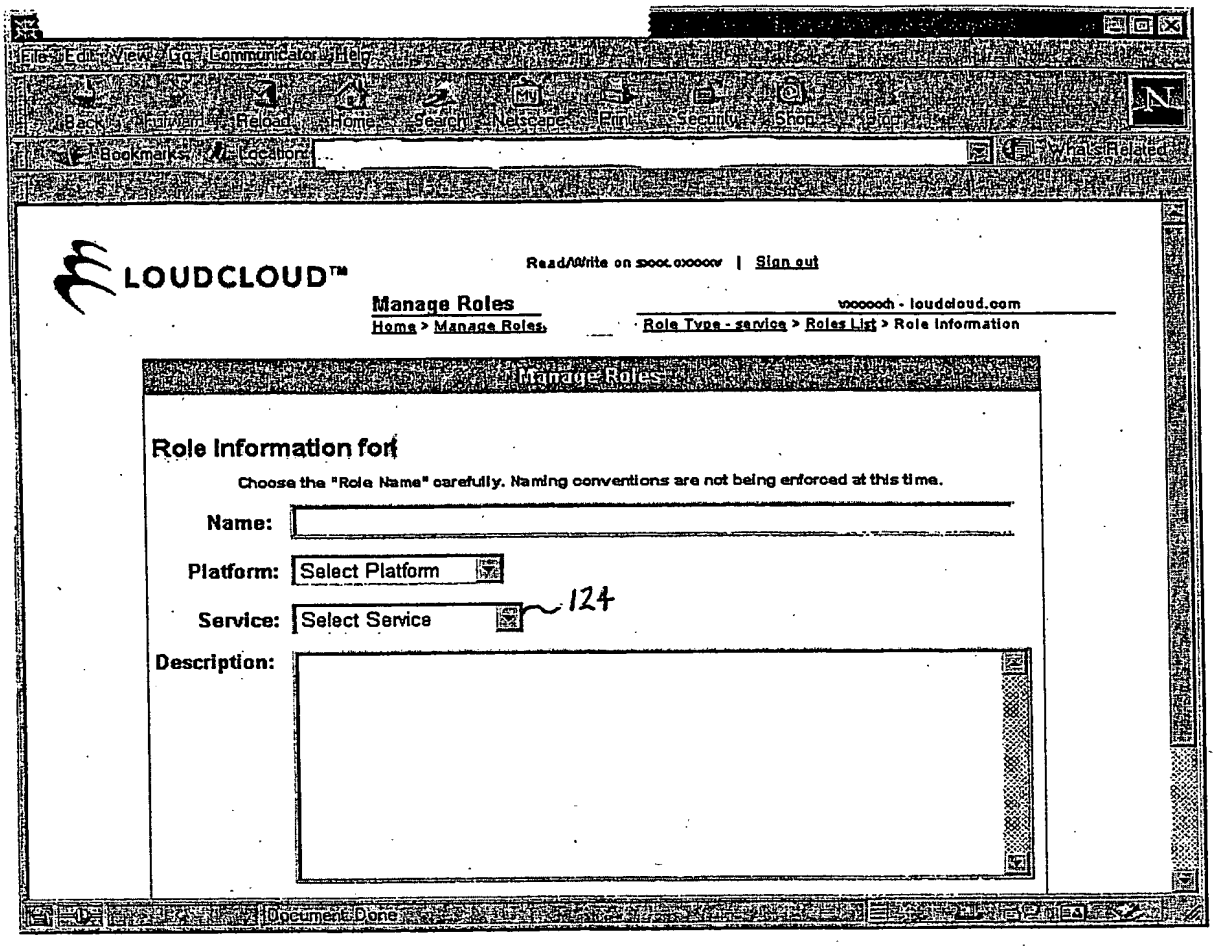

File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location:
What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Manage Roles
Home > Manage Roles
xxxxxh - loudcloud.com
Role Type - service > Roles List > Role Information
Manage Roles
Role Information for
Choose the "Role Name" carefully. Naming conventions are not being enforced at this time.
Name:
Platform: Select Platform
Service: Select Service
124
Description:
Document: Done

Fig. 10D

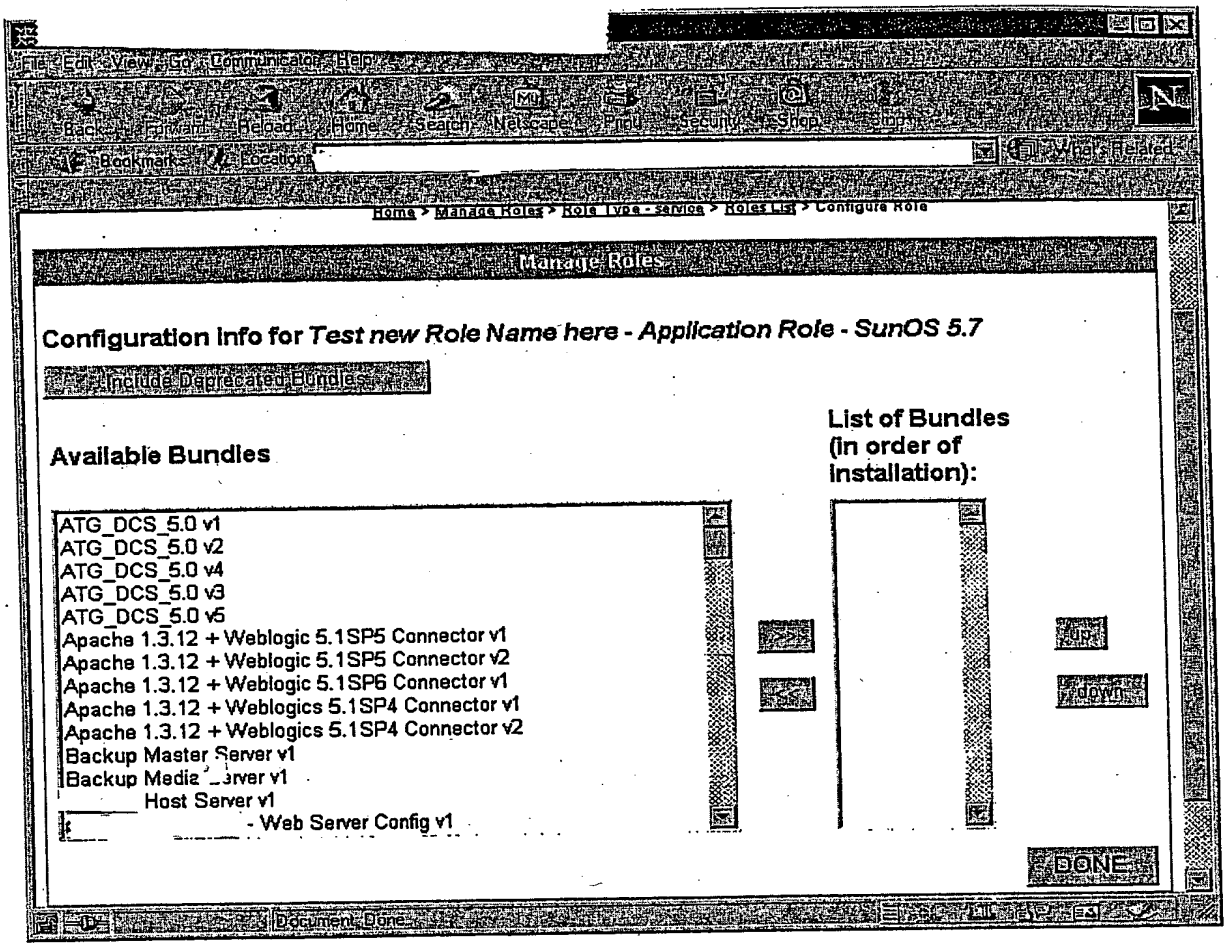

File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop
Bookmarks Location
What's Related
Home > Manage Roles > Role Type - service > Roles List > Configure Role
Manage Roles
Configuration Info for Test new Role Name here - Application Role - SunOS 5.7
Include Deprecated Bundles
Available Bundles
List of Bundles (in order of installation):
ATG_DCS_5.0 v1
ATG_DCS_5.0 v2
ATG_DCS_5.0 v4
ATG_DCS_5.0 v3
ATG_DCS_5.0 v5
Apache 1.3.12 + Weblogic 5.1SP5 Connector v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector v2
Apache 1.3.12 + Weblogic 5.1SP6 Connector v1
Apache 1.3.12 + Weblogics 5.1SP4 Connector v1
Apache 1.3.12 + Weblogics 5.1SP4 Connector v2
Backup Master Server v1
Backup Media Server v1
Host Server v1
- Web Server Config v1
>>
<<
up
down
DONE
Document Done

Fig. 10E

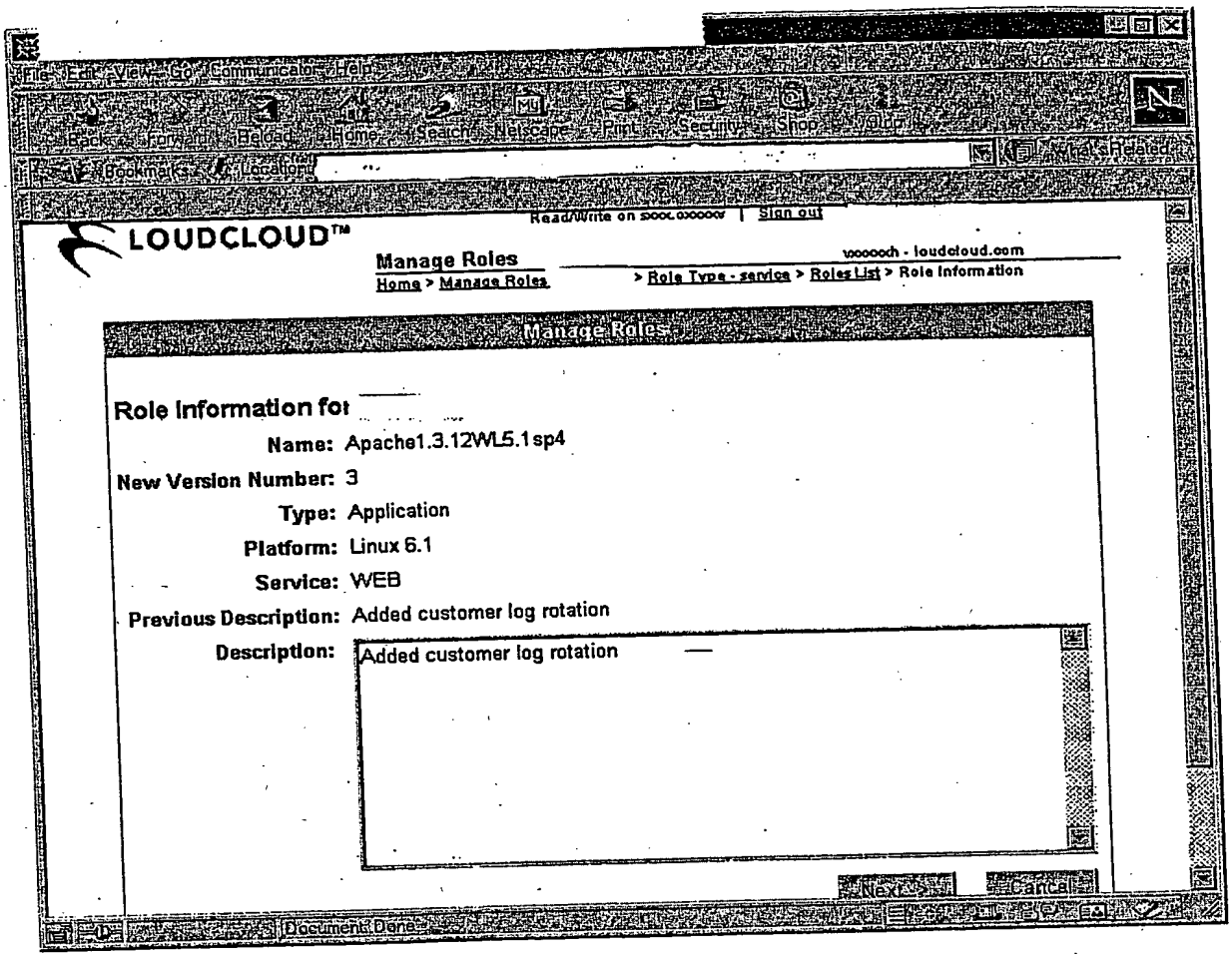

File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location
What's Related
LOUDCLOUD™
Read/Write on xxxx.xxxxxv | Sign out
Manage Roles
Home > Manage Roles
xxxxxch - loudcloud.com
> Role Type - service > Roles List > Role Information
Manage Roles
Role Information for
Name: Apache1.3.12WL5.1sp4
New Version Number: 3
Type: Application
Platform: Linux 6.1
Service: WEB
Previous Description: Added customer log rotation
Description: Added customer log rotation
Next >
Cancel
Document Done

Fig. 10F

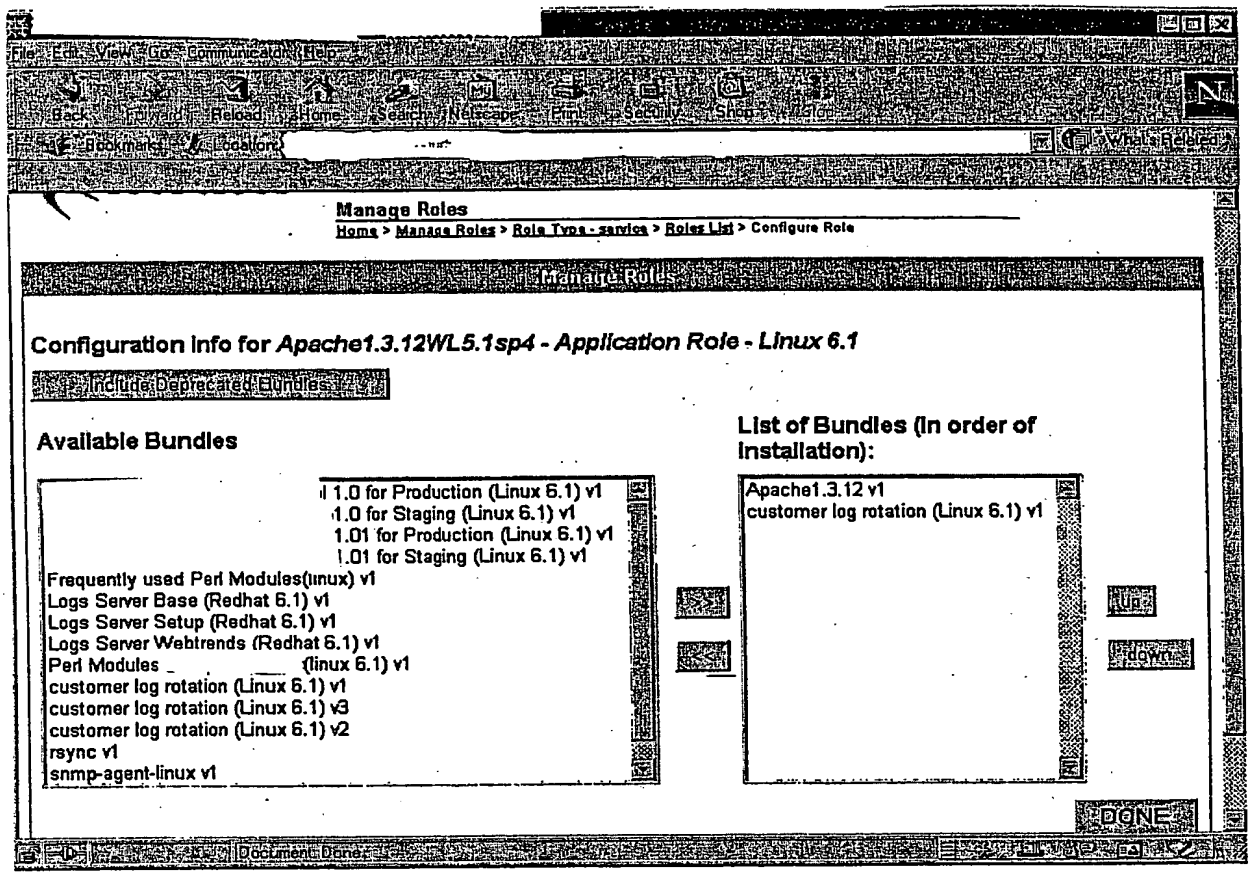

Manage Roles
Home > Manage Roles > Role Type - service > Roles List > Configure Role
Manage Roles
Configuration info for Apache1.3.12WL5.1sp4 - Application Role - Linux 6.1
Include Deprecated Bundles
Available Bundles
List of Bundles (In order of installation):
1.0 for Production (Linux 6.1) v1
1.0 for Staging (Linux 6.1) v1
1.01 for Production (Linux 6.1) v1
1.01 for Staging (Linux 6.1) v1
Frequently used Perl Modules(linux) v1
Logs Server Base (Redhat 6.1) v1
Logs Server Setup (Redhat 6.1) v1
Logs Server Webtrends (Redhat 6.1) v1
Perl Modules (linux 6.1) v1
customer log rotation (Linux 6.1) v1
customer log rotation (Linux 6.1) v3
customer log rotation (Linux 6.1) v2
rsync v1
snmp-agent-linux v1
Apache1.3.12 v1
customer log rotation (Linux 6.1) v1
DONE

Fig. 10G

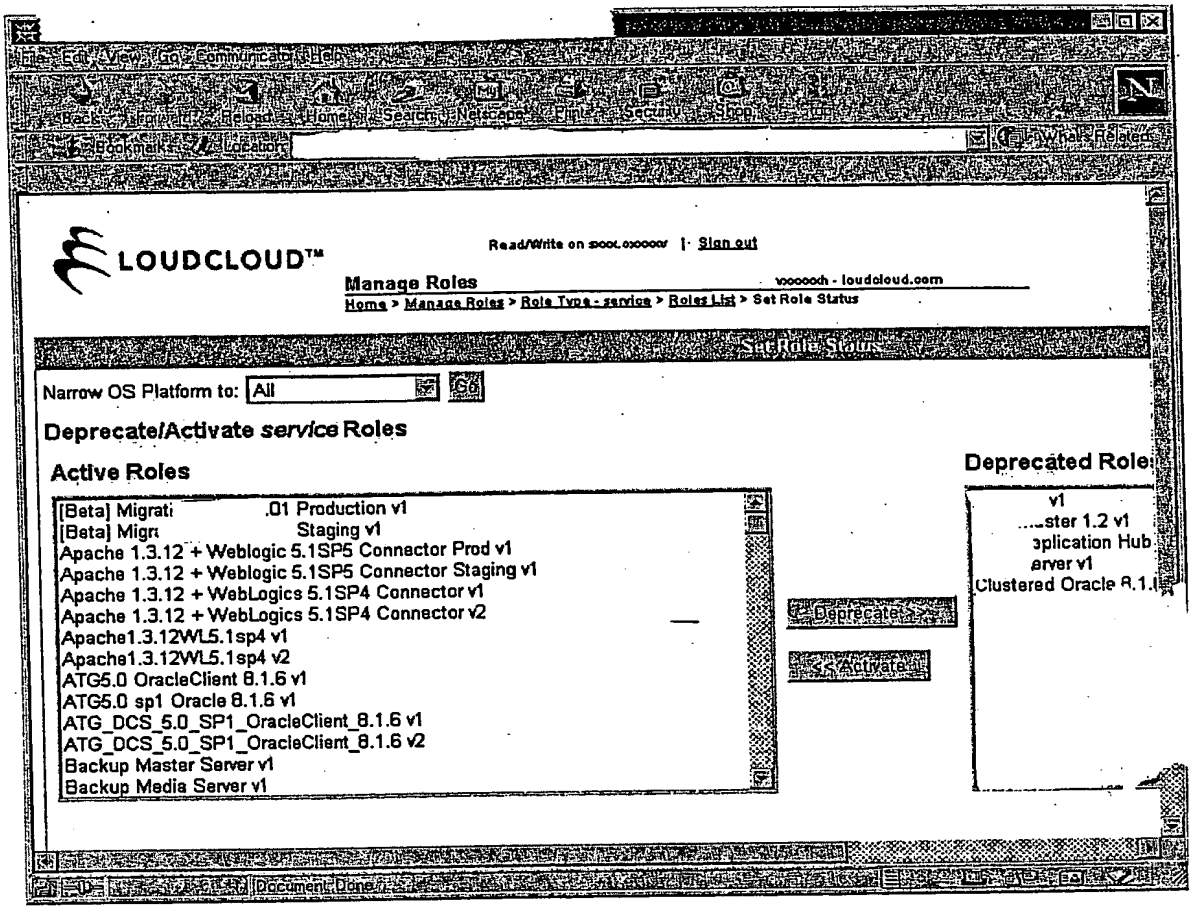

LOUDCLOUD™
Read/Write on
Sign out
Manage Roles
Home > Manage Roles > Role Type - service > Roles List > Set Role Status
Set Role Status
Narrow OS Platform to: All
Go
Deprecate/Activate service Roles
Active Roles
[Beta] Migrati .01 Production v1
[Beta] Migr Staging v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector Prod v1
Apache 1.3.12 + Weblogic 5.1SP5 Connector Staging v1
Apache 1.3.12 + WebLogics 5.1SP4 Connector v1
Apache 1.3.12 + WebLogics 5.1SP4 Connector v2
Apache1.3.12WL5.1sp4 v1
Apache1.3.12WL5.1sp4 v2
ATG5.0 OracleClient 8.1.6 v1
ATG5.0 sp1 Oracle 8.1.6 v1
ATG_DCS_5.0_SP1_OracleClient_8.1.6 v1
ATG_DCS_5.0_SP1_OracleClient_8.1.6 v2
Backup Master Server v1
Backup Media Server v1
Deprecate >>
<< Activate
Deprecated Role
v1
ster 1.2 v1
plication Hub
erver v1
Clustered Oracle 8.1.
Document Done

Fig. 10H

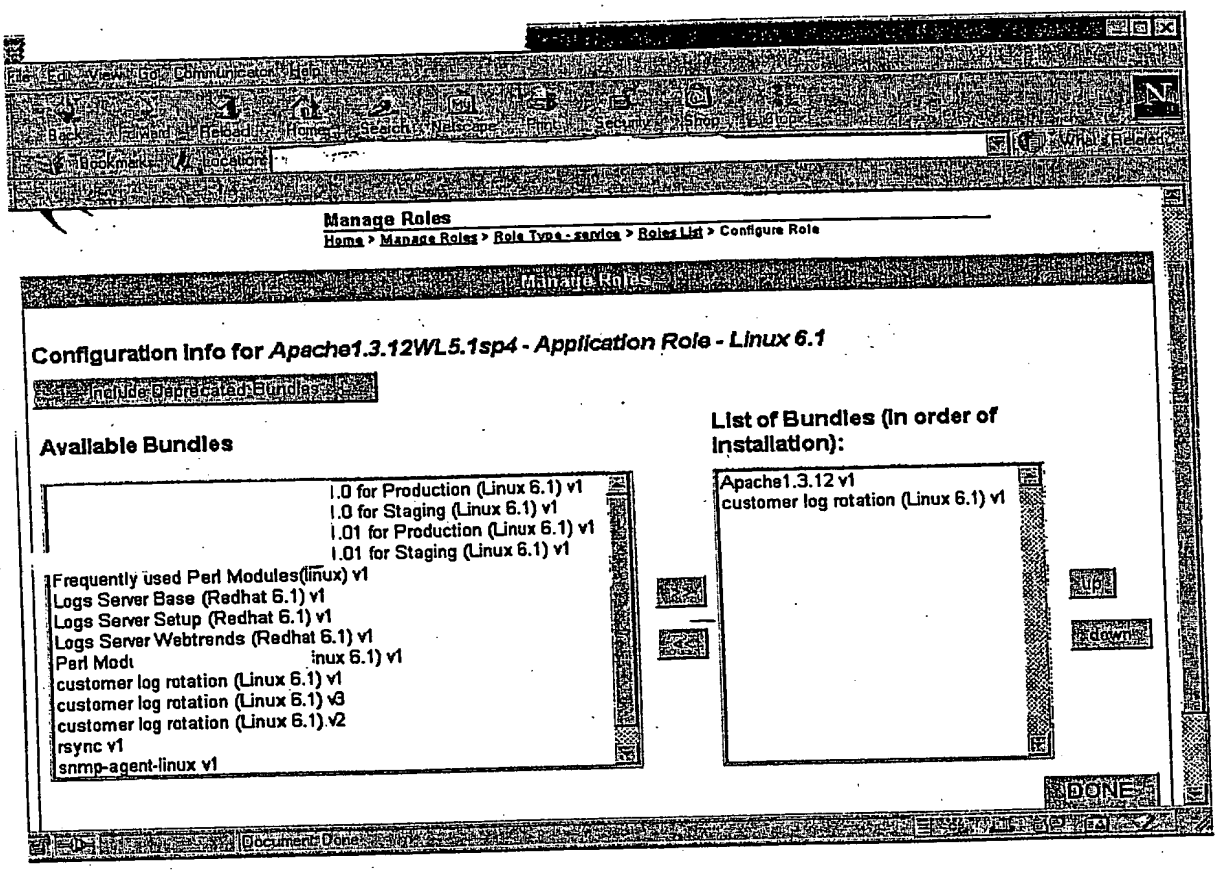

Manage Roles
Home > Manage Roles > Role Type - service > Roles List > Configure Role
Manage Roles
Configuration Info for Apache1.3.12WL5.1sp4 - Application Role - Linux 6.1
Include Deprecated Bundles
Available Bundles
.0 for Production (Linux 6.1) v1
.0 for Staging (Linux 6.1) v1
.01 for Production (Linux 6.1) v1
.01 for Staging (Linux 6.1) v1
Frequently used Perl Modules(linux) v1
Logs Server Base (Redhat 6.1) v1
Logs Server Setup (Redhat 6.1) v1
Logs Server Webtrends (Redhat 6.1) v1
Perl Modi inux 6.1) v1
customer log rotation (Linux 6.1) v1
customer log rotation (Linux 6.1) v3
customer log rotation (Linux 6.1) v2
rsync v1
snmp-agent-linux v1
List of Bundles (in order of installation):
Apache1.3.12 v1
customer log rotation (Linux 6.1) v1
up
down
DONE
Document Done

Fig. 10I

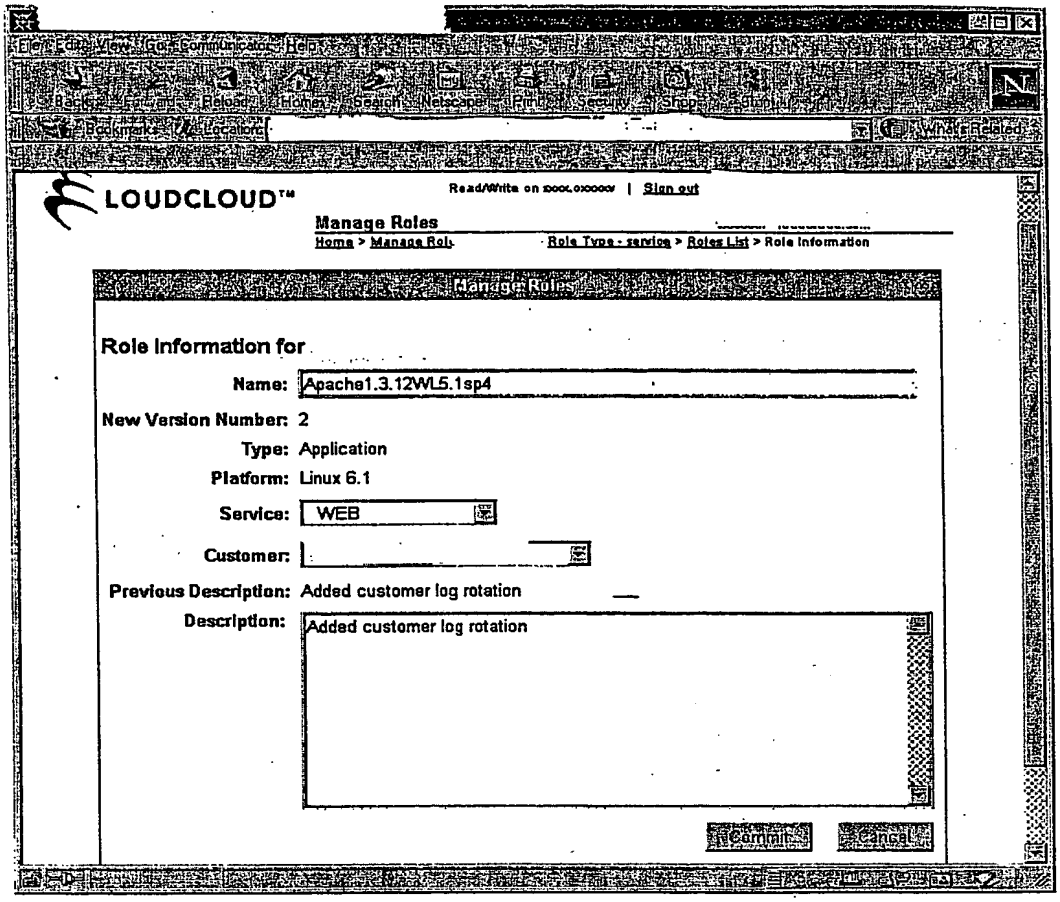

LOUDCLOUD™
Read/Write on xxxx.xxxxxx | Sign out
Manage Roles
Home > Manage Roles > Role Type - service > Roles List > Role Information
Manage Roles
Role Information for
Name: Apache1.3.12WL5.1sp4
New Version Number: 2
Type: Application
Platform: Linux 6.1
Service: WEB
Customer:
Previous Description: Added customer log rotation
Description: Added customer log rotation
Commit
Cancel

Fig. 10 J

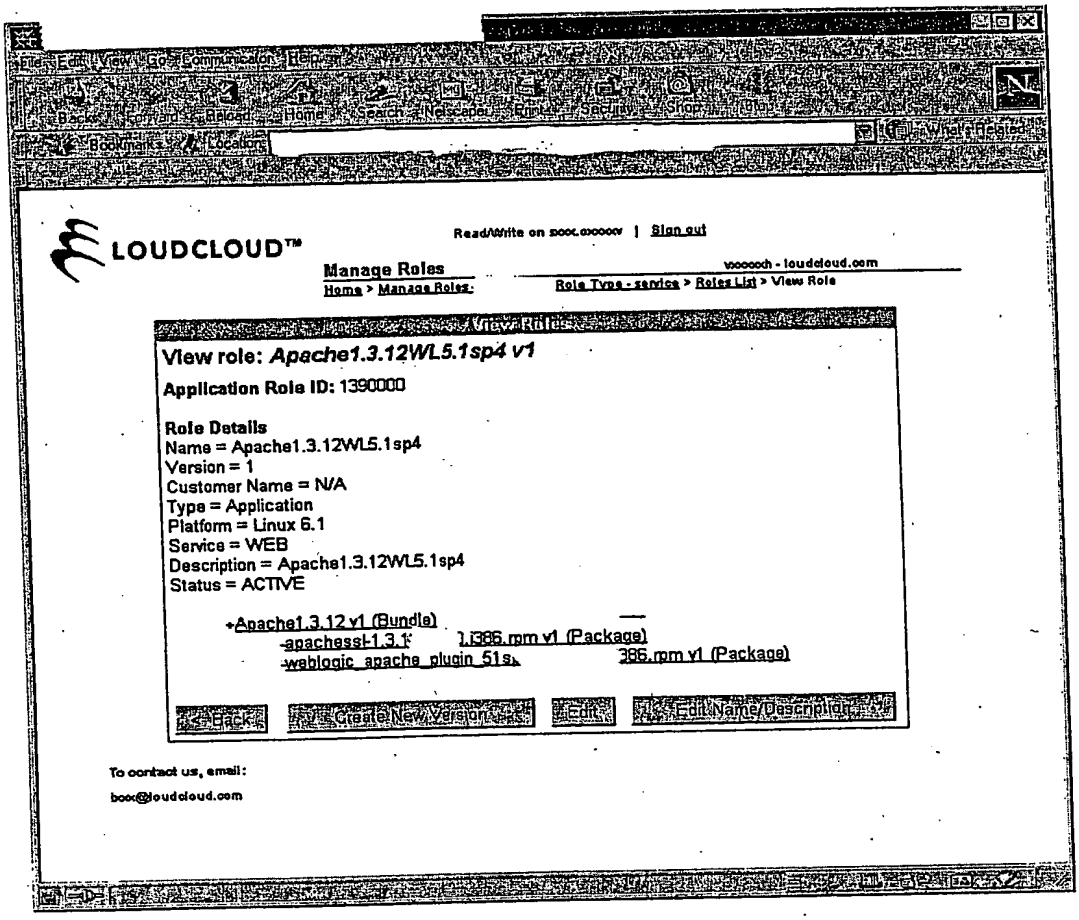


Fig. 10K

09604.0004.01

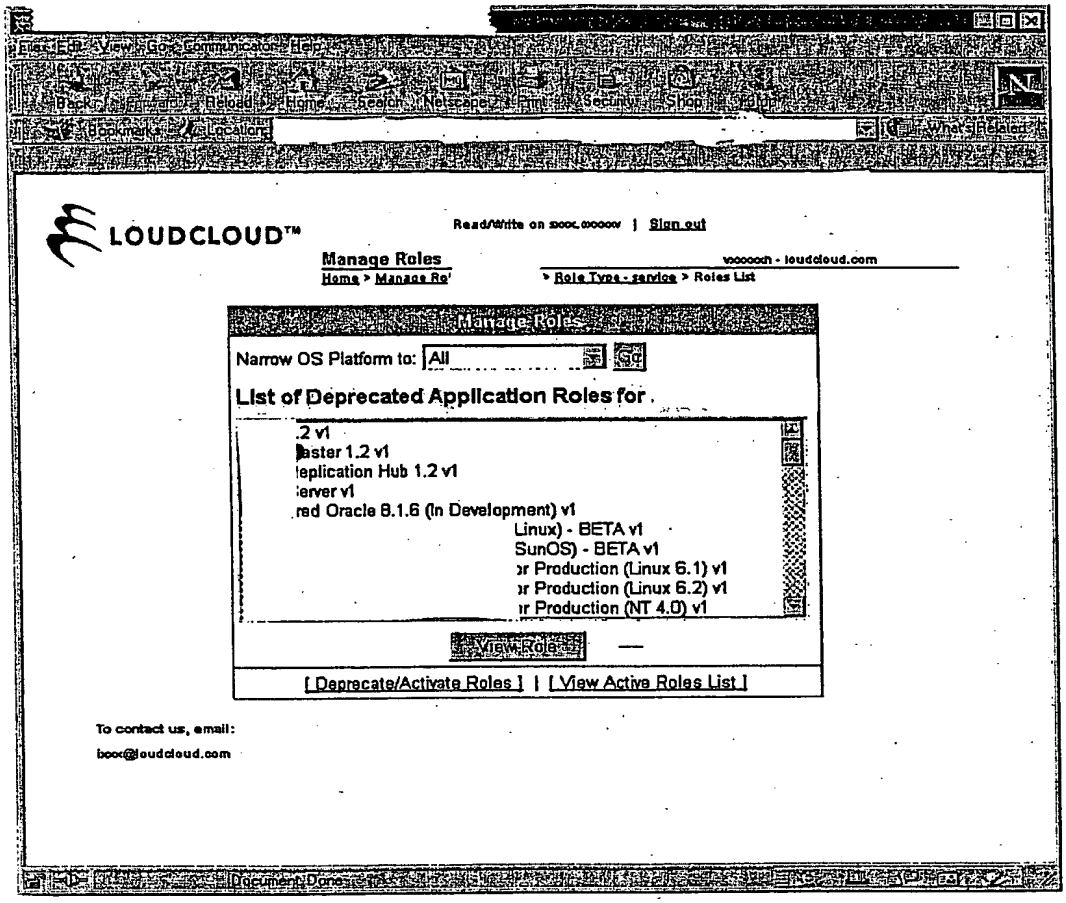


Fig. 10L

Oracle Ex. 2045 - 0450

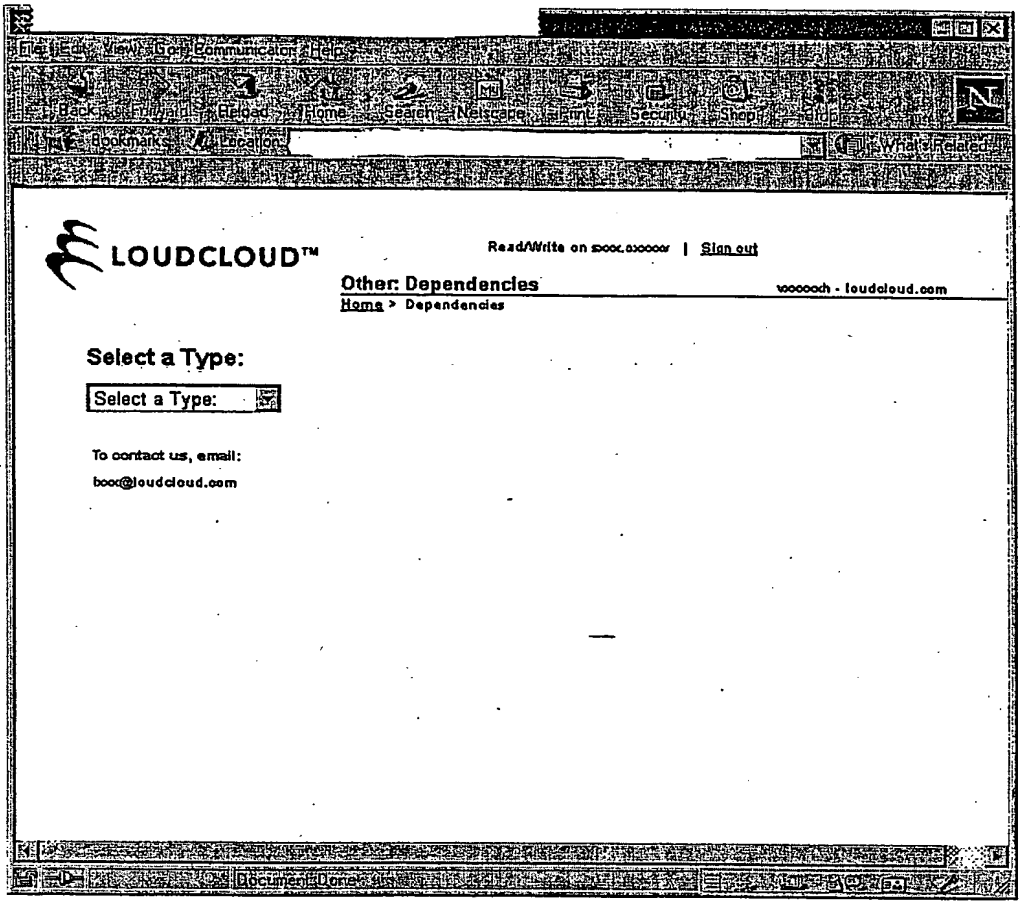

LOUDCLOUD™
Read/Write on xxxx.xxxxxx | Sign out
Other: Dependencies
xxxxxxh - loudcloud.com
Home > Dependencies
Select a Type:
Select a Type:
To contact us, email:
xxxx@loudcloud.com

Fig. 11A

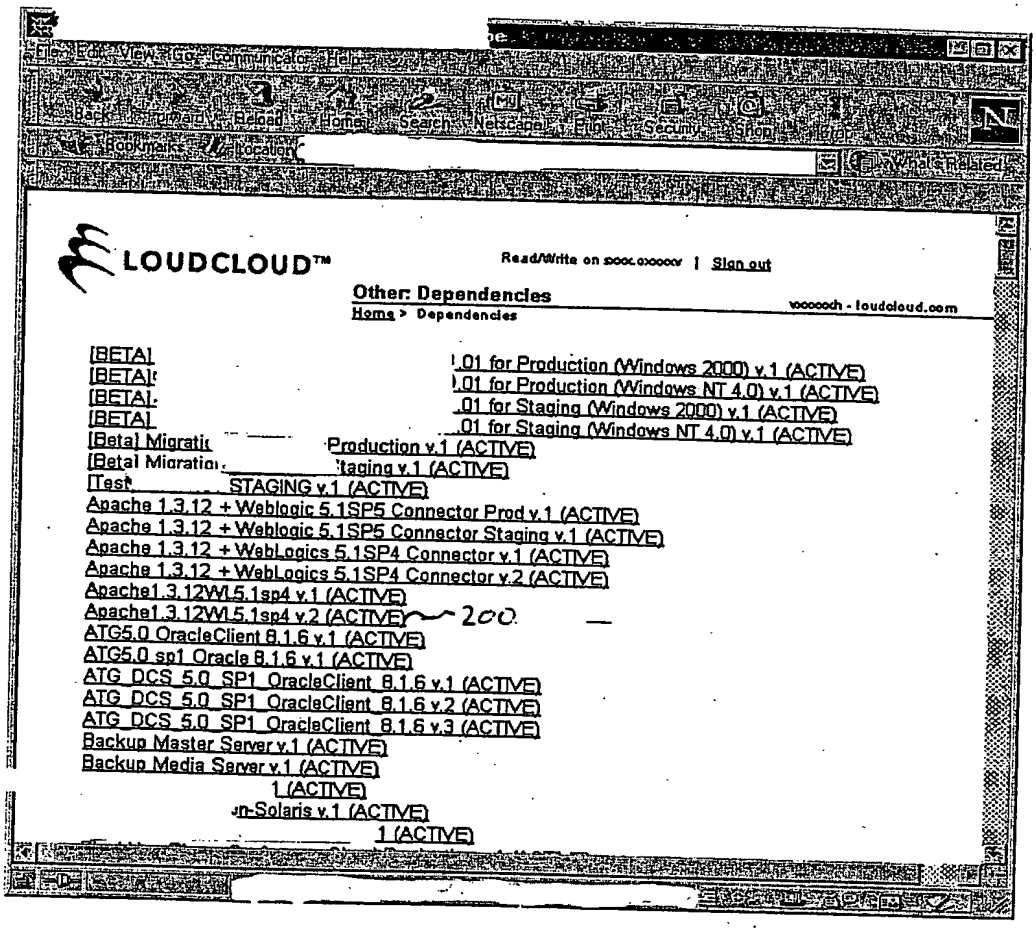

LOUDCLOUD™
Read/Write on
Sign out
Other: Dependencies
Home > Dependencies
- loudcloud.com
[BETA]
[BETA]
[BETA]
[BETA]
[Beta] Migrati
[Beta] Migratio
[Test
STAGING v.1 (ACTIVE)
Apache 1.3.12 + Weblogic 5.1SP5 Connector Prod v.1 (ACTIVE)
Apache 1.3.12 + Weblogic 5.1SP5 Connector Staging v.1 (ACTIVE)
Apache 1.3.12 + WebLogics 5.1SP4 Connector v.1 (ACTIVE)
Apache 1.3.12 + WebLogics 5.1SP4 Connector v.2 (ACTIVE)
Apache1.3.12WL5.1sp4 v.1 (ACTIVE)
Apache1.3.12WL5.1sp4 v.2 (ACTIVE)
ATG5.0 OracleClient 8.1.6 v.1 (ACTIVE)
ATG5.0 sp1 Oracle 8.1.6 v.1 (ACTIVE)
ATG_DCS_5.0_SP1_OracleClient_8.1.6 v.1 (ACTIVE)
ATG_DCS_5.0_SP1_OracleClient_8.1.6 v.2 (ACTIVE)
ATG_DCS_5.0_SP1_OracleClient_8.1.6 v.3 (ACTIVE)
Backup Master Server v.1 (ACTIVE)
Backup Media Server v.1 (ACTIVE)
1 (ACTIVE)
n-Solaris v.1 (ACTIVE)
1 (ACTIVE)

Fig. 11B

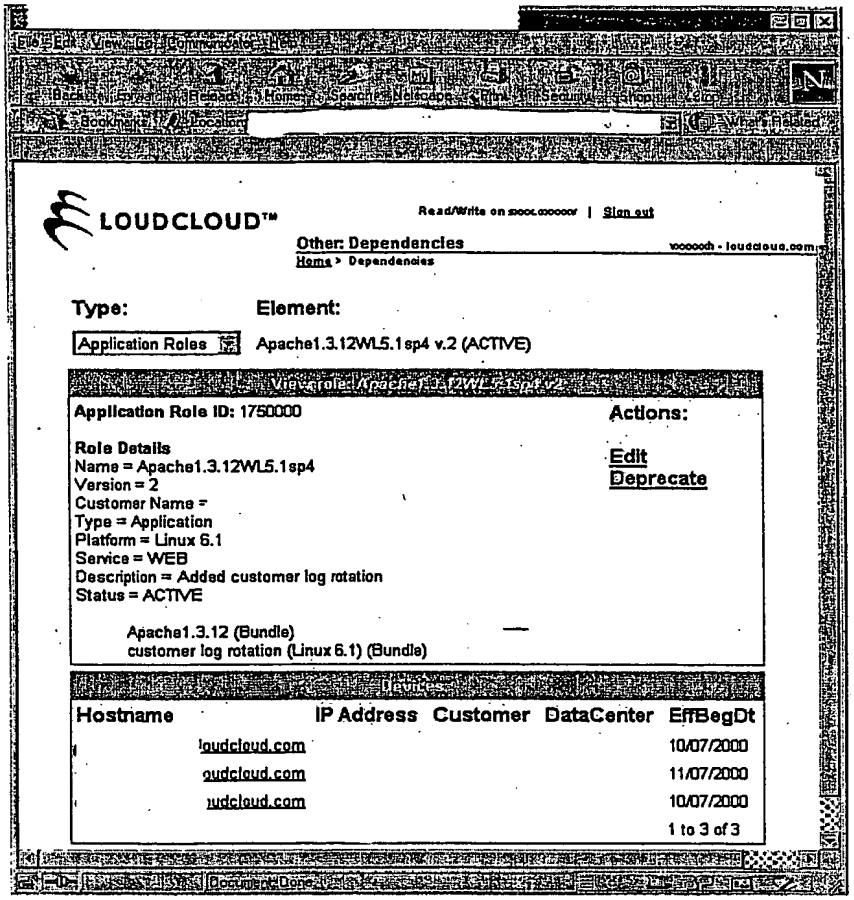

LOUDCLOUD™
Read/Write on xxxx.xxxxxx | Sign out
Other: Dependencies
Home > Dependencies
Type:
Element:
Application Roles
Apache1.3.12WL5.1sp4 v.2 (ACTIVE)
Application Role ID: 1750000
Actions:
Edit
Deprecate
Role Details
Name = Apache1.3.12WL5.1sp4
Version = 2
Customer Name =
Type = Application
Platform = Linux 6.1
Service = WEB
Description = Added customer log rotation
Status = ACTIVE
Apache1.3.12 (Bundle)
customer log rotation (Linux 6.1) (Bundle)
Devices
Hostname
IP Address
Customer
DataCenter
EffBegDt
10/07/2000
11/07/2000
10/07/2000
1 to 3 of 3

Fig. 11C